ATOM ATOM	1727 1728		A 226	23.816 26.408	46.408 48.508	68.154 65.870	1.00100.07 1.00 61.29	A A
ATOM ATOM	1729 1730		A 226 A 227	26.799 27.117	48.521 49.048	64.706 66.868	1.00 61.29 1.00 40.31	A A
MOTA	1731		A 227	26.527	49.417	68.167	1.00 59.71	A
ATOM ATOM	1732 1733		A 227 A 227	28.412 28.206	49.703 50.984	66.712 67.487	1.00 40.31 1.00 59.71	A A
ATOM	1734		A 227	27.521	50.456	68.713	1.00 59.71	A
ATOM	1735		A 227	29.549	48.893	67.313	1.00 40.31	A
ATOM ATOM	1736 1737		A 227 A 228	29.310 30.784	47.992 49.246	68.110 66.962	1.00 40.31 1.00 59.63	A A
ATOM	1738		A 228	31.964	48.552	67.476	1.00 59.63	Ä
ATOM	1739 1740		A 228 A 228	32.915	48.224	66.326 65.465	1.00100.07	A
ATOM ATOM	1741		A 228	33.255 34.162	49.422 49.065	64.309	1.00100.07	A A
ATOM	1742	OE1 GLU	A 228	33.737	48.260	63.448	1.00100.07	A
ATOM ATOM	1743 1744		A 228 A 228	35.299 32.684	49.592 49.388	64.265 68.534	1.00100.07	A A
ATOM	1745		A 228	32.123	49.679	69.587	1.00 59.63	A
ATOM	1746		A 229	33.934	49.743	68.247	1.00100.07	A
ATOM ATOM	1747 1748		A 229 A 229	34.773 34.435	50.566 52.038	69.119 68.894	1.00100.07 1.00 56.47	A A
ATOM	1749		A 229	34.789	50.255	70.622	1.00100.07	A
ATOM	1750		A 229	34.070	49.374	71.102	1.00100.07	A
ATOM ATOM	1751 1752		A 230 A 230	35.639 35.799	50.989 50.856	71.346 72.800	1.00100.07	A A
ATOM	1753	CB SER	A 230	37.154	50.233	73.130	1.00 57.13	A
ATOM ATOM	1754 1755		A 230 A 230	37.372 35.685	50.230 52.219	74.531 73.501	1.00 57.13	A A
ATOM	1756	O SER	A 230	34.764	52.982	73.219	1.00100.07	A
ATOM ATOM	1757 1758		A 231 A 231	36.612 36.574	52.528 53.813	74.411 75.124	1.00100.07	A A
ATOM	1759		A 231	35.302	53.907	75.890	1.00100.07	A
ATOM	1760		A 231	37.742	54.071	76.077	1.00100.07	A
ATOM ATOM	1761 1762		A 231 A 231	38.231 38.121	53.088 55.259	76.677 76.240	1.00100.07 1.00 66.54	A A
ATOM	1763	CB ALA		27.155	51.553	47.423	1.00 79.56	В
ATOM	1764	C ALA		27.338	52.268	49.835	1.00100.07	В
ATOM ATOM	1765 1766	O ALA I		28.190 29.209	51.919 52.643	50.660 48.225	1.00100.07	B B
MOTA	1767	CA ALA	в 6	27.726	52.605	48.381	1.00100.07	В
ATOM ATOM	1768 1769	N ALA I		26.035 25.360	52.373 52.131	50.100 51.384	1.00100.07	B B
ATOM	1770	CB ALA	в 7	23.995	51.490	51.113	1.00 82.99	В
ATOM	1771 1772	C ALA I		26.025 27.244	51.387 51.216	52.545 52.605	1.00100.07	B B
ATOM ATOM	1773	N ALA		25.168	50.977	53.481	1.00 78.31	В
MOTA	1774	CA ALA		25.552	50.243	54.678	1.00 78.31	В
ATOM ATOM	1775 1776	CB ALA I		25.669 26.836	48.777 50.736	54.336 55.352	1.00 59.34 1.00 78.31	B B
ATOM	1777	O ALA	в 8	27.845	50.037	55.357	1.00 78.31	В
ATOM ATOM	1778 1779	N PRO I		26.808 25.683	51.938 52.886	55.956 56.059	1.00 67.12 1.00 58.31	B B
ATOM	1780	CA PRO		27.999	52.480	56.619	1.00 67.12	В
ATOM	1781		B 9	27.659	53.954	56.775	1.00 58.31	В
ATOM ATOM	1782 1783	CG PRO I		26.204 28.303	53.908 51.814	57.060 57.958	1.00 58.31 1.00 67.12	B B
ATOM	1784	O PRO	в 9	27.549	50.963	58.428	1.00 67.12	В
ATOM ATOM	1785 1786	N VAL I		29.413 29.830	52.213 51.657	58.568 59.847	1.00 72.37 1.00 72.37	ъ В
ATOM	1787	CB VAL	В 10	31.334	51.424	59.891	1.00 48.12	В
ATOM ATOM	1788 1789	CG1 VAL I		31.740 31.730	50.974 50.403	61.282 58.846	1.00 48.12 1.00 48.12	B B
ATOM	1790	C VAL		29.508	52.578	60.995	1.00 72.37	В
MOTA	1791 1792	O VAL I		29.775	53.771	60.912	1.00 72.37	В
ATOM ATOM	1793	N PHE I		28.978 28.611	52.017 52.808	62.079 63.247	1.00 72.74 1.00 72.74	B B
MOTA	1794	CB PHE		27.223	52.372	63.731	1.00 78.84	В
MOTA MOTA	1795 1796	CG PHE I		26.595 26.622	53.303 54.678	64.734 64.544	1.00 78.84 1.00 78.84	B B
MOTA	1797	CD2 PHE I	B 11	25.941	52.795	65.860	1.00 78.84	В
MOTA MOTA	1798 1799	CE1 PHE I		26.005 25.321	55.533 53.640	65.461 66.783	1.00 78.84 1.00 78.84	B B
MOTA	1800	CZ PHE	B 11	25.352	55.010	66.584	1.00 78.84	В
MOTA	1801	C PHE I		29.637	52.713	64.373	1.00 72.74	В
ATOM ATOM	1802 1803	O PHE I		29.281 30.914	52.462 52.911	65.514 64.040	1.00 72.74 1.00 59.90	B B
MOTA	1804	CA THR I	в 12	31.999	52.875	65.029	1.00 59.90	В
ATOM ATOM	1805 1806	CB THR I		33.338 33.135	53.340 54.564	64.411 63.690	1.00100.07	B B
MOTA	1807	CG2 THR I	B 12	33.889	52.283	63.463	1.00100.07	В
MOTA	1808	C THR I		31.633	53.800	66.185	1.00 59.90	B B
MOTA MOTA	1809 1810	O THR I		31.427 31.547	54.996 53.251	65.986 67.391	1.00 59.90 1.00 48.11	В

ATOM	1811	CA ALA B	13	31.168	54.063	68.538	1.00 48.11	В
ATOM	1812	CB ALA B	13	29.736	53.737	68.962	1.00 30.65	В
ATOM	1813	C ALA B	13	32.093	53.927	69.730	1.00 48.11	В
ATOM	1814	O ALA B	13	31.844	53.126	70.634	1.00 48.11	В
ATOM	1815	N THR B	14	33.160	54.719	69.734	1.00 65.33	В
ATOM	1816	CA THR B	14	34.104	54.698	70.838	1.00 65.33	В
ATOM	1817	CB THR B	14	35.351	55.548	70.521	1.00100.07	В
ATOM	1818	OG1 THR B	14	35.977	55.053	69.327	1.00100.07	В
ATOM	1819	CG2 THR B	14	36.345	55.480	71.673	1.00100.07	В
ATOM	1820	C THR B	14	33.379	55.242	72.073	1.00 65.33	В
ATOM	1821	O THR B	14	33.225	56.451	72.243	1.00 65.33	В
ATOM	1822	N THR B	15	32.920	54.316	72.909	1.00100.01	В
ATOM	1823	CA THR B	15	32.182	54.596	74.137	1.00100.01	В
MOTA	1824	CB THR B	15	31.609	53.294	74.719	1.00100.01	В
ATOM	1825	OG1 THR B	15	32.638	52.611	75.448	1.00100.07	В
ATOM	1826	CG2 THR B	15	31.115	52.377	73.599	1.00100.07	В
ATOM	1827	C THR B	15	33.032	55.226	75.232	1.00100.01	В
ATOM	1828	O THR B	15	33.978	55.961	74.950	1.00100.01	В
ATOM	1829	N GLN B	16	32.689	54.900	76.482	1.00 99.07	В
ATOM	1830	CA GLN B	16	33.371	55.391	77.688	1.00 99.07	В
ATOM	1831	CB GLN B	16	33.434	56.926	77.678	1.00 91.47	В
ATOM	1832	CG GLN B	16	34.322	57.534	78.750	1.00 91.47	В
ATOM	1833	CD GLN B	16	35.695	56.888	78.811	1.00 91.47	В
ATOM	1834	OE1 GLN B	16	36.428	56.856	77.822	1.00 91.47	В
ATOM	1835	NE2 GLN B	16	36.049	56.369	79.980	1.00 91.47	В
ATOM	1836	C GLN B	16	32.578	54.891	78.905	1.00 99.07	В
ATOM	1837	O GLN B	16	31.914	53.853	78.821	1.00 99.07	В
ATOM	1838	N GLY B	17	32.662	55.606	80.029	1.00100.07	В
ATOM	1839	CA GLY B	17	31.908	55.232	81.220	1.00100.07	В
MOTA	1840	C GLY B	17	30.481	55.693	80.971	1.00100.07	В
ATOM	1841 1842	O GLY B	17	29.639	54.897	80.556	1.00100.07	В
MOTA MOTA		N ASP B	18	30.194	56.968	81.230	1.00 77.15	В
MOTA	1843 1844	CA ASP B CB ASP B	18 18	28.868	57.503	80.932	1.00 77.15	В
ATOM	1845	CG ASP B	18	27.875 28.244	57.280 58.021	82.090 83.349	1.00100.07	B B
ATOM	1846	OD1 ASP B	18	29.429	57.976	83.735	1.00100.07	В
ATOM	1847	OD1 ASP B	18	27.333	58.627	83.962	1.00100.07	В
ATOM	1848	C ASP B	18	28.890	58.957	80.473	1.00100.07	В
ATOM	1849	O ASP B	18	28.073	59.786	80.870	1.00 77.15	В
ATOM	1850	N HIS B	19	29.848	59.231	79.596	1.00 59.01	В
ATOM	1851	CA HIS B	19	30.036	60.536	79.001	1.00 59.01	В
ATOM	1852	CB HIS B	19	30.554	61.546	80.031	1.00 99.93	В
ATOM	1853	CG HIS B	19	31.642	61.027	80.915	1.00 99.93	B
ATOM	1854	CD2 HIS B	19	32.186	59.794	81.041	1.00 99.93	В
ATOM	1855	ND1 HIS B	19	32.300	61.829	81.823	1.00 99.93	В
ATOM	1856	CE1 HIS B	19	33.202	61.113	82.469	1.00 99.93	В
ATOM	1857	NE2 HIS B	19	33.153	59.874	82.014	1.00 99.93	В
ATOM	1858	C HIS B	19	30.952	60.441	77.799	1.00 59.01	В
MOTA	1859	O HIS B	19	31.723	59.490	77.653	1.00 59.01	В
ATOM	1860	N TYR B	20	30.841	61.432	76.927	1.00 64.52	В
MOTA	1861	CA TYR B	20	31.639	61.483	75.712	1.00 64.52	В
ATOM	1862	CB TYR B	20	33.132	61.667	76.040	1.00 86.15	В
MOTA	1863	CG TYR B	20	33.940	62.278	74.909	1.00 86.15	В
MOTA	1864	CD1 TYR B	20 20	35.331	62.327	74.965	1.00 86.15	В
MOTA ATOM	1865 1866	CE1 TYR B CD2 TYR B	20	36.076 33.313	62.865 62.790	73.911 73.773	1.00 86.15	В
MOTA	1867	CE2 TYR B	20	34.046	63.325	72.724	1.00 86.15	B B
ATOM	1868	CZ TYR B	20	35.420	63.359	72.794	1.00 86.15	В
ATOM	1869	OH TYR B	20	36.128	63.872	71.735	1.00 86.15	В
ATOM	1870	C TYR B	20	31.415	60.178	74.973	1.00 64.52	- B
ATOM	1871	O TYR B	20	32.296	59.325	74.909	1.00 64.52	В
ATOM	1872	N GLY B	21	30.212	60.024	74.437	1.00 99.59	В
ATOM	1873	CA GLY B	21	29.896	58.823	73.700	1.00 99.59	В
ATOM	1874	C GLY B	21	30.171	59.065	72.238	1.00 99.59	В
ATOM	1875	O GLY B	21	29.258	59.179	71.429	1.00 99.59	В
ATOM	1876	N GLU B	22	31.444	59.186	71.901	1.00 60.24	В
ATOM	1877	CA GLU B	22	31.824	59.388	70.519	1.00 60.24	B
ATOM	1878	CB GLU B	22	33.345	59.257	70.402	1.00 99.88	В
ATOM	1879	CG GLU B	22	33.884	59.121	68.987	1.00 99.88	В
ATOM	1880	CD GLU B	22	33.951	57.676	68.499	1.00 99.88	В
ATOM	1881	OE1 GLU B	22	32.894	57.011	68.410	1.00 99.88	В
ATOM	1882	OE2 GLU B	22	35.074	57.206	68.195	1.00 99.88	В
MOTA	1883	C GLU B	22 22	31.118	58.294 57 111	69.716	1.00 60.24 1.00 60.24	В
MOTA	1884 1885	O GLUB N PHE B	22	31.180 30.427	57.111 58.703	70.060 68.661	1.00 60.24	В
ATOM ATOM	1886	CA PHE B	23	29.709	57.786	67.792	1.00 68.91	B B
ATOM	1887	CB PHE B	23	28.222	57.955	68.023	1.00 73.38	В
ATOM	1888	CG PHE B	23	27.833	57.680	69.426	1.00 73.38	В
ATOM	1889	CD1 PHE B	23	26.914	58.480	70.082	1.00 73.38	В
ATOM	1890	CD2 PHE B	23	28.437	56.634	70.118	1.00 73.38	В
ATOM	1891	CE1 PHE B	23	26.601	58.245	71.421	1.00 73.38	В
ATOM	1892	CE2 PHE B	23	28.139	56.387	71.446	1.00 73.38	B
ATOM	1893	CZ PHE B	23	27.217	57.194	72.105	1.00 73.38	В
ATOM	1894	C PHE B	23	30.110	58.192	66.394	1.00 68.91	В

ATOM	1895	O PHE B	23	30.427	59.359	66.170	1.00 68.91	ס
ATOM	1896	N VAL B	24	30.125	57.249	65.455	1.00 81.71	B B
ATOM	1897	CA VAL B	24	30.531	57.594	64.095	1.00 81.71	В
MOTA	1898	CB VAL B	24	32.070	57.615	63.953	1.00 8.17	В
MOTA	1899	CG1 VAL B	24	32.448	57.871	62.510	1.00 8.17	В
MOTA	1900	CG2 VAL B	24	32.667	58.680	64.852	1.00 8.17	B
ATOM	1901	C VAL B	24	30.036	56.748	62.936	1.00 81.71	В
MOTA	1902	O VAL B	24	30.568	55.667	62.698	1.00 81.71	В
ATOM	1903	N LEU B	25	29.035	57.236	62.208	1.00 73.45	В
MOTA	1904	CA LEU B	25	28.584	56.505	61.036	1.00 73.45	В
ATOM	1905	CB LEU B	25	27.119	56.808	60.684	1.00 20.54	В
ATOM	1906	CG LEU B	25	26.676	58.027	59.875	1.00 20.54	В
ATOM ATOM	1907 1908	CD1 LEU B	25 25	27.419 25.182	58.135	58.550	1.00 20.54	В
ATOM	1909	C LEU B	25	29.557	57.890 57.067	59.639 60.007	1.00 20.54 1.00 73.45	B B
MOTA	1910	O LEU B	25	29.912	58.241	60.086	1.00 73.45	В
ATOM	1911	N GLU B	26	29.986	56.257	59.044	1.00100.07	В
ATOM	1912	CA GLU B	26	30.984	56.734	58.100	1.00100.07	B
MOTA	1913	CB GLU B	26	32.048	55.648	57.958	1.00 99.35	В
ATOM	1914	CG GLU B	26	33.440	56.186	57.747	1.00 99.35	В
MOTA	1915	CD GLU B	26	34.499	55.165	58.101	1.00 99.35	В
MOTA	1916	OE1 GLU B	26	34.482	54.054	57.519	1.00 99.35	В
ATOM	1917	OE2 GLU B	26	35.348	55.473	58.967	1.00 99.35	В
ATOM	1918	C GLU B	26	30.568	57.311	56.738	1.00100.07	В
ATOM	1919 1920	O GLU B	26 27	30.080	58.440	56.690	1.00100.07	В
ATOM ATOM	1921	N PRO B	27	30.744 31.438	56.575 55.321	55.619 55.290	1.00 70.02	B B
ATOM	1922	CA PRO B	27	30.323	57.235	54.379	1.00 70.02	В
ATOM	1923	CB PRO B	27	30.851	56.310	53.288	1.00 23.02	В
ATOM	1924	CG PRO B	27	32.009	55.647	53.931	1.00 23.02	В
ATOM	1925	C PRO B	27	28.837	57.482	54.213	1.00 70.02	В
MOTA	1926	O PRO B	27	28.011	56.617	54.484	1.00 70.02	В
ATOM	1927	N LEU B	28	28.520	58.683	53.755	1.00 44.22	В
MOTA	1928	CA LEU B	28	27.157	59.101	53.491	1.00 44.22	В
ATOM	1929	CB LEU B	28	26.538	59.786	54.702	1.00 59.23	В
ATOM	1930	CG LEU B	28	26.298	58.974	55.970	1.00 59.23	В
ATOM ATOM	1931 1932	CD1 LEU B	28 28	25.541 25.506	59.835 57.721	56.960	1.00 59.23	B B
MOTA	1933	C LEU B	28	27.267	60.096	55.656 52.354	1.00 59.23 1.00 44.22	В
ATOM	1934	O LEU B	28	28.034	61.055	52.445	1.00 44.22	В
ATOM	1935	N GLU B	29	26.525	59.867	51.277	1.00 55.67	В
ATOM	1936	CA GLU B	29	26.566	60.777	50.138	1.00 55.67	В
ATOM	1937	CB GLU B	29	25.359	60.531	49.226	1.00 99.81	В
MOTA	1938	CG GLU B	29	25.318	61.360	47.942	1.00 99.81	В
ATOM	1939	CD GLU B	29	26.308	60.890	46.890	1.00 99.81	В
ATOM	1940	OE1 GLU B	29	27.528	61.069	47.097	1.00 99.81	В
ATOM	1941	OE2 GLU B	29	25.860	60.339	45.857	1.00 99.81	В
ATOM ATOM	1942 1943	C GLU B	29 29	26.534 25.783	62.204 62.504	50.690 51.626	1.00 55.67 1.00 55.67	B B
MOTA	1944	N ARG B	30	27.358	63.077	50.120	1.00 83.37	В
ATOM	1945	CA ARG B	30	27.434	64.451	50.593	1.00 83.37	В
ATOM	1946	CB ARG B	30	28.133	65.358	49.576	1.00100.07	B
ATOM	1947	CG ARG B	30	27.367	65.502	48.289	1.00100.07	В
ATOM	1948	CD ARG B	30	27.615	66.840	47.621	1.00100.07	В
MOTA	1949	NE ARG B	30	26.938	66.895	46.326	1.00100.07	В
ATOM	1950	CZ ARG B	30	26.924	67.957	45.531	1.00100.07	В
ATOM ATOM	1951 1952	NH1 ARG B NH2 ARG B	30 30	27.547 26.304	69.067	45.901	1.00100.07	В
ATOM	1953	C ARG B	30	26.059	67.901 65.018	44.360 50.892	1.00100.07	B B
ATOM	1954	O ARG B	30	25.145	64.948	50.067	1.00 83.37	- B
ATOM	1955	N GLY B	31	25.910	65.559	52.094	1.00 49.44	В
ATOM	1956	CA GLY B	31	24.651	66.165	52.449	1.00 49.44	В
ATOM	1957	C GLY B	31	23.870	65.507	53.561	1.00 49.44	В
ATOM	1958	O GLY B	31	22.820	66.018	53.934	1.00 49.44	В
ATOM	1959	N PHE B	32	24.340	64.390	54.106	1.00 58.66	В
ATOM	1960	CA PHE B	32 32	23.569	63.761	55.172	1.00 58.66	В
ATOM ATOM	1961 1962	CB PHE B	32	23.214 22.292	62.318 62.218	54.798 53.610	1.00 45.85 1.00 45.85	B B
ATOM	1963	CD1 PHE B	32	21.055	62.856	53.619	1.00 45.85	В
ATOM	1964	CD2 PHE B	32	22.681	61.542	52.457	1.00 45.85	B
MOTA	1965	CE1 PHE B	32	20.220	62.831	52.489	1.00 45.85	В
MOTA	1966	CE2 PHE B	32	21.849	61.512	51.322	1.00 45.85	В
ATOM	1967	CZ PHE B	32	20.618	62.160	51.342	1.00 45.85	В
ATOM	1968	C PHE B	32	24.227	63.814	56.532	1.00 58.66	В
ATOM	1969	O PHE B	32	23.565	63.645	57.549	1.00 58.66	В
ATOM	1970	N GLY B	33	25.529	64.054	56.556	1.00 34.05	В
ATOM ATOM	1971	CA GLY B	33 33	26.207 25.363	64.160 65.108	57.831 58.647	1.00 34.05 1.00 34.05	B B
ATOM	1972 1973	C GLY B	33	24.979	64.805	59.766	1.00 34.05	В
ATOM	1974	N VAL B	34	25.042	66.244	58.040	1.00 70.95	В
ATOM	1975	CA VAL B	34	24.234	67.296	58.651	1.00 70.95	B
ATOM	1976	CB VAL B	34	24.452	68.648	57.902	1.00 46.05	В
MOTA	1977	CG1 VAL B	34	23.311	69.620	58.172	1.00 46.05	В
ATOM	1978	CG2 VAL B	34	25.764	69.259	58.336	1.00 46.05	В

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                                                                                       В
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ATOM
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MOTA
         2066
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                                                                    1.00 84.56
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14.124
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73.993
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                     SER B
MOTA
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64.311
63.212
                                                                    1.00 38.59
1.00 70.20
1.00 70.20
ATOM
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76.811
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                     ILE B
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                                                                                       R
         2076
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                                                                    1.00 23.12
                                                          78.213
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1.00 58.07
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                                                                         82.03
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99.745
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ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1979 1980 1981 1982 1983 1984 19887 19888 19890 1991 11992 20001 20002 20004 11997 11998 20001 20002 20011 20013 20016 20017 20018 20017 20018 2	CC CONCABGO NACONACONACONACECO	THRU B B B B B B B B B B B B B B B B B B B	$rac{445555555666666666777788888888999999999999$	22.737 22.072 20.072 20.329 20.329 20.804 18.800 20.357 19.205 21.306 21.480 20.969 21.285 19.476 22.121 22.434 22.685 23.714 23.376 24.056 21.734 21.734 20.634 21.734 20.634 21.775 20.575 20.177 21.748 20.634 21.927 21.738 17.756 18.553 17.756 18.553 17.756 18.553 17.756 19.210 20.729 20.066 19.043 19.456 16.180 17.389 17.756 18.553 17.449 17.402 16.582 16.967 16.745	67.333 66.411 66.420 66.420 66.420 66.420 66.420 66.420 66.420 66.420 66.420 66.420 66.420 66.420 66.420 66.330 66.360	58.657 57.609 57.609 57.569 56.176 58.1790 60.3122 58.1790 60.3122 59.1790 60.3122 59.1790 60.3122 59.1790 60.3122 59.1790 60.3122 59.1790 60.3122 59.1790 60.3123 61.1342 63.1763	1.00 70.95 1.00 70.95 1.00 70.95 1.00 92.67 1.00 31.42 1.00 31.42 1.00 31.42 1.00 92.67 1.00 29.62 1.00 29.62 1.00 35.43 1.00 35.43 1.00 35.43 1.00 35.43 1.00 35.43 1.00 35.43 1.00 37.49 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 66.42 1.00 67.19 1.00 37.49 1.00 37.49 1.00 37.49 1.00 37.14 1.00 37.14 1.00 37.14 1.00 37.49 1.00 37.49 1.00 37.49 1.00 37.49 1.00 37.50 1.00 47.50	
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LEU B 62
LEU B 62
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                            63
                                     16.278
                                               87.712 101.463
                                                                  1.00100.07
                                                                 1.00 50.34
1.00 50.34
ATOM
        2193
               С
                    HIS B 63
                                     15.923
                                               83.435
                                                       99.419
ATOM
        2194
               0
                    HIS B 63
                                     16,675
                                               83.534 100.391
                    GLU B 64
                                     16.304
17.659
                                               82.921
                                                        98.252
                                                                 1.00 64.80
ATOM
        2195
               N
        2196
                    GLU B
                                               82.421
                                                        98.020
                                                                 1.00 64.80
ATOM
               CA
                   GLU B 64
GLU B 64
ATOM
        2197
               CB
                                     17.907
                                               82.200
                                                        96.523
                                                                 1.00100.07
                                     19.341
19.621
        2198
2199
                                              81.801
81.714
                                                        96.198
94.707
ATOM
               CG
                                                                 1.00100.07
               CD
                    GLU B
                            64
                                                                 1.00100.07
MOTA
MOTA
        2200
               OE1
                   GLU B
                            64
                                     19.506
                                               82.748
                                                        94.012
                                                                 1.00100.07
                                                        94.231
98.549
MOTA
        2201
               OE2 GLU B 64
                                     19.962
                                               80.608
                                                                 1.00100.07
        2202
                   GLU B 64
GLU B 64
                                     18.719
                                              83.380
83.022
                                                                 1.00 64.80
1.00 64.80
ATOM
               C
               õ
                                                        98.691
ATOM
        2203
                                     19.885
                    PHE B
                            65
                                     18.291
                                                        98.839
                                                                 1.00 78.74
ATOM
        2204
                                               84.601
ATOM
        2205
               CA
                    PHE B
                            65
                                     19.187
                                               85.634
                                                        99.318
                                                                 1.00 78.74
                                                                 1.00100.07
                                                        98.639
97.268
97.136
ATOM
        2206
2207
               CB
                    PHE B
                            65
65
                                     18.838
18.214
                                               86.964
                    PHE B
                                               86.807
                                                                 1.00100.07
ATOM
               CG
                            65
ATOM
        2208
               CD1
                    PHE B
                                     16.855
                                               86.496
                                                                 1.00100.07
        2209
               CD2
                   PHE B
                                     18.983
                                               86.962
ATOM
                                                        96.111
                                                                 1.00100.07
ATOM
        2210
               CE1 PHE B
                            65
                                     16.272
                                               86.342
                                                        95.871
                                                                 1.00100.07
                                              86.809 94.840
86.499 94.719
85.784 100.833
        2211
                                     18.412
17.057
                            65
ATOM
               CE2 PHE B
                                                                 1.00100.07
        2212
ATOM
                    PHE B
                            65
               CZ
                                                                 1.00100.07
                                                                 1.00 78.74
1.00 78.74
                                     19.125
ATOM
        2213
                    PHE B
                            65
                                               86.748 101.355
ATOM
        2214
                    PHE B
                            65
                                     18.567
        2215
2216
                                     19.706
19.735
ATOM
               N
                    SER B
                           66
                                              84.821 101.535
                                                                 1.00100.07
                            66
                    SER B
ATOM
               CA
                                              84.855 102.988
83.929 103.558
                                                                 1.00100.07
        2217
                                     18.663
               CB
                    SER B
                            66
ATOM
        2218
                    SER B
                            66
                                     17.381
                                               84.320 103.099
                                                                 1.00100.07
ATOM
ATOM
        2219
                    SER B
                            66
                                     21.116
                                              84.422 103.437
                                                                 1.00100.07
                                              84.571 102.682
83.901 104.658
                           66
67
                                                                 1.00100.07
MOTA
        2220
               0
                    SER B
                                     22.079
                                     21.220
ATOM
        2221
               N
                    THR B
        2222
               CA
                   THR B
                            67
                                     22.505
                                              83.430 105.179
                                                                 1.00100.07
ATOM
                                               84.621 105.500
ATOM
        2223
               CB
                    THR B
                            67
                                     23.479
                                                                 1.00100.07
ATOM
        2224
               OG1 THR B
                            67
                                     23.948
                                              85.214 104.280
                                                                 1.00100.07
        2225
2226
                            67
67
ATOM
               CG2
                   THR B
                                     24.689
                                              84.132 106.301
                                                                 1.00100.07
                    THR B
                                     22.356
                                              82.572 106.434
                                                                 1.00100.07
ATOM
        2227
               0
                    THR B
                            67
                                     22.077
                                              83.079 107.524
                                                                 1.00100.07
ATOM
MOTA
        2228
              N
                    ILE
                            68
                                     22.525
                                              81.265 106.270
                                                                 1.00 43.12
ATOM
        2229
                    ILE B
                                     22.460
                                              80.366 107.405
                                                                 1.00 43.12
               CA
ATOM
        2230
              CB
                    ILE B
                            68
                                     22.307
                                              78.888 106.978
                                                                 1.00 99.22
```

ATOM ATOM ATOM ATOM ATOM ATOM	2231 2232 2233 2234 2235 2236 2237	CG2 ILE B CG1 ILE B CD ILE B O ILE B N PRO B CD PRO B	68 68 68 68 69 69	20.840 23.070 24.567 23.782 24.797 23.774 22.564	78.547 106.83 78.624 105.67 78.813 105.76 80.530 108.14 80.913 107.55 80.285 109.45 80.388 110.29	1.00 99.22 1.00 99.22 1.00 43.12 1.00 43.12 1.00 70.41	8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2238 2239 2240 2241 2242 2243 2244 2245	CA PRO B CB PRO B CG PRO B C PRO B O PRO B N GLY B CA GLY B C GLY B	69 69 69 69 70 70	24.979 24.468 23.140 25.594 24.975 26.818 27.495 27.838	80.397 110.28 81.105 111.526 80.455 111.706 79.023 110.592 77.974 110.366 79.039 111.426 77.799 111.426	5 1.00100.07 5 1.00100.07 2 1.00 70.41 5 1.00 70.41 5 1.00 91.68 1.00 91.68	888888888
ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2246 2247 2248 2249 2250 2251 2252	O GLY B N VAL B CA VAL B CB VAL B CG1 VAL B CG2 VAL B C VAL B	70 71 71 71 71 71 71	28.435 27.450 27.707 26.416 26.748 25.504 28.334	76.008 110.162 77.687 109.019 77.141 107.693 76.679 107.017 75.750 105.869 76.016 108.029 78.227 106.828	2 1.00 91.68 1.00100.07 1.00100.07 1.00 99.79 1.00 99.79 1.00 99.79	B B B B B
ATOM ATOM ATOM ATOM ATOM ATOM	2253 2254 2255 2256 2257 2258 2259	O VAL B N LYS B CA LYS B CB LYS B CG LYS B CD LYS B CE LYS B	71 72 72 72 72 72 72 72	27.660 29.623 30.364 31.840 32.502 32.255 32.632	79.177 106.425 78.074 106.541 79.052 105.756 78.655 105.695 78.707 107.057 80.071 107.708 80.090 109.189	1.00 92.37 1.00 92.37 1.00 99.35 1.00 99.35 1.00 99.35 1.00 99.35	8 8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2260 2261 2262 2263 2264 2265 2266 2267	NZ LYS B C LYS B O LYS B N GLU B CA GLU B CB GLU B CG GLU B CD GLU B	72 72 72 73 73 73 73 73	32.395 29.819 29.843 29.315 28.780 28.687 30.060 30.054	81.428 109.816 79.297 104.355 80.421 103.854 78.250 103.725 78.391 102.392 77.015 101.766 76.455 101.540 74.997 101.206	1.00 92.37 1.00 92.37 1.00 76.40 1.00 76.40 1.00 93.16 1.00 93.16	8 8 8 8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM	2268 2269 2270 2271 2272 2273 2274	OE1 GLU B OE2 GLU B C GLU B O GLU B N ASP B CA ASP B CB ASP B	73 73 73 73 74 74 74 74	29.239 30.882 27.436 26.526 27.318 26.066 26.264 25.746	74.575 100.365 74.271 101.778 79.085 102.412 78.645 103.098 80.181 101.673 80.938 101.605 82.215 100.798 82.082 99.380	3 1.00 93.16 3 1.00 76.40 3 1.00 76.40 1.00 37.10 9 1.00 37.10 3 1.00 88.96	8 8 8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2275 2276 2277 2278 2279 2280 2281 2282	CG ASP B OD1 ASP B OD2 ASP B C ASP B O ASP B N VAL B CA VAL B CB VAL B	74 74 74 74 75 75	26.090 24.994 24.929 25.138 23.725 22.567 21.300	82.082 99.380 81.086 98.716 82.970 98.933 80.140 100.973 79.040 100.467 80.056 100.370 80.980 100.389	1.00 88.96 1.00 88.96 1.00 37.10 1.00 37.10 1.00 45.70 1.00 45.70	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM	2283 2284 2285 2286 2287 2288 2289	CG1 VAL B CG2 VAL B C VAL B O VAL B N VAL B CA VAL B CB VAL B	75 75 75 76 76 76 76	20.453 21.726 22.914 23.454 22.597 22.824 23.401 23.499	80.723 101.619 82.439 100.353 79.792 98.913 78.745 98.563 80.776 98.080 80.726 96.649 82.055 96.140 82.035 94.629	1.00 55.69 1.00 45.70 1.00 45.70 1.00 63.40 1.00 63.40 1.00 99.98	8 8 8 8 8 8 8 8 8
MOTA ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2290 2291 2292 2293 2294 2295 2296 2297	CG1 VAL B CG2 VAL B C VAL B O VAL B N GLU B CA GLU B CB GLU B CG GLU B	76 76 76 77 77 77 77	22.525 23.729 23.320 24.952 25.864 27.284 28.295	83.203 96.606 79.607 96.153 78.818 95.302 79.525 96.674 78.483 96.205 78.671 96.745 77.797 96.008	1.00 99.98 1.00 63.40 1.00 63.40 1.00 65.02 1.00 65.02 1.00 88.18 1.00 88.18	B B B B B
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2298 2299 2300 2301 2302 2303 2304 2305	CD GLU B OE1 GLU B CE2 GLU B C GLU B O GLU B N ILE B CA ILE B CB ILE B	77 77 77 77 77 78 78 78	29.653 30.512 29.860 25.376 25.518 24.814 24.287 23.658	78.458 95.826 78.309 96.713 79.132 94.793 77.094 96.553 76.174 95.753 75.608 98.063 75.562 99.466	1.00 88.18 1.00 88.18 1.00 65.02 1.00 65.02 1.00 50.01 1.00 50.01	8 8 8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2306 2307 2308 2309 2310 2311 2312	CG2 ILE B CG1 ILE B CD ILE B C ILE B O ILE B N ILE B CA ILE B	78 78 78 78 78 79 79	22.766 24.772 24.294 23.248 23.340 22.291 21.243	74.349 99.585 75.496 100.513 75.467 101.944 75.341 96.983 74.344 96.266 76.259 96.843 76.146 95.833	1.00 60.32 1.00 60.32 1.00 60.32 1.00 50.01 1.00 57.29 1.00 57.29	8 8 8 8 8
MOTA MOTA	2313 2314	CB ILE B	79 79	20.613 19.882	77.521 95.478 77.435 94.140		B B

14.14

77.959 ATOM CG1 ILE B 19.638 96.577 97.955 1.00 74.38 2315 79 2316 79 20.258 78.119 74.38 ATOM CD ILE B 1.00 MOTA 2317 С 79 21.870 75.589 94.571 ILE B 1.00 57.29 ATOM 2318 ILE B 79 21.400 74.600 94.018 1.00 76.230 75.777 76.671 ATOM 2319 N LEU B 80 22,940 94.121 1.00 99.36 LEU B 2320 80 MOTA CA 23.629 92.928 1.00 99.36 2321 CB LEU B 80 ATOM 24.823 92.628 1.00 53.04 78.118 ATOM 2322 CG LEU B 80 24.414 92.392 1.00 53.04 ATOM 2323 CD1 LEU B 25.616 78.903 91.898 80 1.00 53.04 В MOTA 2324 CD2 LEU B 80 23.278 78.168 91.373 1.00 53.04 ATOM 2325 LEU B 80 24.087 74.342 93.115 1.00 99.36 2326 0 LEU B ATOM 80 23.738 73.467 92.325 1.00 99.36 24.867 25.363 ATOM 2327 ASN B N 81 74.104 72.770 94.164 1.00 53.66 ATOM 2328 CA ASN B 81 94.451 1.00 53.66 В ASN B 1.00 46.42 1.00 46.42 ATOM 2329 CB 81 25.774 72.670 95.909 В ATOM 2330 CG ASN B 81 27.002 73.492 96.221 ₿ MOTA 2331 OD1 ASN B 81 28.100 73.187 95.748 1.00 46.42 В 2332 2333 81 81 74.546 71.775 ATOM ND2 ASN B 26.829 97.022 1.00 46.42 ASN B ATOM C 24.252 94.177 1.00 53.66 В 71.013 MOTA 2334 ٥ ASN B 81 24.300 93.211 1.00 53.66 1.00 89.22 В 2335 LEU B 71.798 ATOM N 82 23.235 95.024 В ATOM 2336 CA LEU B 82 22.120 70.890 94.851 1.00 89.22 71.322 71.451 95.691 97.195 2337 2338 ATOM CB LEU B 82 20.923 1.00100.07 82 LEU B ATOM CG 21.135 1.00100.07 В 19.782 21.743 MOTA CD1 LEU B 82 2339 71.769 70.163 97.825 97.782 1.00100.07 1.00100.07 ATOM 2340 CD2 LEU B 82 В MOTA 2341 C LEU B 82 21.690 70.839 93.397 1.00 89.22 ATOM 2342 0 LEU B 82 21.331 69.778 92.889 1.00 89.22 2343 2344 2345 LYS B LYS B ATOM N 83 21.739 71.989 92.730 1.00 68.47 В 72.079 73.532 73.751 75.012 21.317 21.372 83 1.00 68.47 ATOM CA 91.340 В CB LYS B 83 ATOM 90.844 1.00 56.25 В ATOM 2346 CG LYS B 83 20.603 1.00 56.25 1.00 56.25 89.557 2347 CD LYS B 19.744 89.581 ATOM В ATOM 2348 CE LYS B 83 20.558 76.290 89.398 1.00 56.25 2349 2350 LYS B ATOM NZ 83 19.686 77.513 89.264 1.00 56.25 83 22.146 21.905 71.182 71.096 90.444 1.00 68.47 1.00 68.47 ATOM C R 2351 LYS B MOTA 83 В ATOM 2352 GLU B 84 23.114 70.496 91.039 1.00 76.12 В ATOM 2353 CA GLU B 84 23.958 69.602 76.12 90.271 1.00 MOTA 2354 CB GLU B 84 25.357 70.194 90.136 1.00 90.31 26.220 27.502 84 84 2355 2356 CG GLU B ATOM 69.540 89.074 1.00 90.31 В 70.312 CD GLU B ATOM 1.00 90.31 88.847 В 28.140 ATOM 2357 OE1 GLU B 84 70.682 1.00 90.31 89.851 В OE2 GLU B 27.873 70.551 87.678 1.00 90.31 ATOM 2358 ATOM 2359 C O GLU B 84 24.028 68.227 90.910 1.00 76.12 67.456 67.921 2360 2361 GLU B 84 85 24.938 23.083 76.12 ATOM 90.625 1.00 В N LEU B ATOM 91.793 92.395 1.00100.07 В 2362 CA 85 23.062 66.596 1.00100.07 ATOM LEU B В 2363 СВ LEU B 85 22.049 66.515 1.00 57.77 ATOM 93.537 В 65.124 64.756 65.088 65.708 MOTA 2364 CG LEU B 85 21.985 94.184 1.00 57.77 85 85 1.00 57.77 1.00 57.77 ATOM 2365 CD1 LEU B 23.352 94.747 В 95.281 91.241 2366 CD2 LEU B 20.930 ATOM B ATOM 2367 C LEU B 85 22.615 1.00100.07 В ATOM 2368 0 LEU B 85 22.203 1.00100.07 66.224 90.202 ATOM 2369 2370 N VAL B 86 22.697 64.390 91.397 1.00 99.56 86 22.271 1.00 99.56 ATOM CA VAL B 63.486 90.325 В 62.905 2371 CB MOTA VAL B 23.481 89.573 86 1.00 42.86 1.00 42.86 В 62.469 88.177 ATOM 2372 CG1 VAL B 86 23.065 В 86 ATOM 2373 CG2 VAL B 24.590 63.924 89.513 1.00 42.86 MOTA 2374 VAL B 86 21.470 62.313 90.892 1.00 99.56 22.038 20.149 19.269 ATOM 2375 0 VAL B 86 87 61.339 91.398 1.00 99.56 В 2376 N ATOM VAL B 62.411 61.376 90.794 1.00100.07 В 2377 CA 87 91.306 ATOM VAL B В 2378 СВ VAL B 87 17.961 ATOM 61.986 91.861 1.00 99.71 В ATOM 2379 CG1 VAL B 87 17.043 60.886 92.365 1.00 99.71 87 ATOM 2380 CG2 C VAL B 18.275 18.915 62.956 92.985 1.00 99.71 в 87 2381 60.363 60.710 1.00100.07 1.00100.07 ATOM VAL B 90.238 R ō 87 18.779 ATOM 2382 VAL B 89.061 В ATOM 2383 N ARG B 88 18.775 59.109 90.665 1.00100.07 В MOTA 2384 CA ARG B 88 18.416 58.008 89.775 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 ATOM 2385 CB ARG B 88 19.603 57.072 89.570 В ARG B ATOM 2386 CG CD 88 19.301 55.915 88.648 В 20.429 ATOM ARG B 88 2387 54.931 88.698 В 20.029 53.615 ATOM 2388 NE ARG B 88 88.221 В 2389 ARG B 88 20.732 52.509 1.00100.07 ATOM CZ88.443 ATOM 2390 NH1 ARG B 88 21.867 52.577 89.135 1.00100.07 51.335 57.222 ATOM 2391 NH2 ARG B 88 20.303 87.984 1.00100.07 17.236 2392 C ARG B 88 1.00100.07 ATOM 90.335 R ARG B 17.420 56.208 57.704 1.00100.07 ATOM 2393 O 88 91.014 1.00100.07 MOTA 2394 PHE B 89 16.027 90.050 N В 89 57.045 1.00100.07 ATOM 2395 PHE 14.810 90.506 ATOM 2396 CB PHE B 89 13.577 57.694 89.876 1.00 72.11 ATOM 2397 CG PHE B 89 13.375 59.130 90.269 1.00 72.11 1.00 72.11 ATOM 2398 CD1 PHE B 89 13.865 59.613 91.484

ATOM	2399	CD2 PHE	B 89	12.631	59.984	89.458	1.00 72.11	В
MOTA	2400			13.609	60.920	91.884	1.00 72.11	B
MOTA	2401	CE2 PHE	в 89	12.369	61.296		1.00 72.11	В
MOTA	2402	CZ PHE		12.856	61.764	91.062	1.00 72.11	В
MOTA	2403	C PHE		14.878	55.583	90.080	1.00100.07	В
ATOM	2404	O PHE		15.720	55.211	89.264	1.00100.07	В
MOTA	2405 2406	N LEU CA LEU		13.993	54.754	90.619	1.00100.07	В
MOTA MOTA	2407	CA LEU		14.003 14.628	53.341 52.522	90.263 91.389	1.00100.07	B B
ATOM	2408	CG LEU		16.127	52.704	91.604	1.00 93.06	В
ATOM	2409	CD1 LEU		16.568	51.930	92.851	1.00 93.06	В
MOTA	2410	CD2 LEU		16.866	52.229	90.356	1.00 93.06	В
ATOM	2411	C LEU		12.615	52.805	89.982	1.00100.07	В
ATOM	2412	O LEU		12.437	51.956	89.102	1.00100.07	В
ATOM	2413	N ASP		11.637	53.284	90.748	1.00100.07	В
ATOM	2414	CA ASP		10.253	52.859	90.564	1.00100.07	В
ATOM ATOM	2415 2416	CB ASP CG ASP	B 91 B 91	9.321 9.329	53.600 52.991	91.545 92.948	1.00100.07	В
ATOM	2417	OD1 ASP	B 91	9.179	51.756	93.064	1.00100.07	B B
ATOM	2418	OD2 ASP	B 91	9.471	53.746	93.937	1.00100.07	B
ATOM	2419			9.845	53.161	89.117	1.00100.07	В
ATOM	2420	O ASP	B 91	10.682	53.488	88.276	1.00100.07	В
ATOM	2421	N PRO		8.554	53.042	88.801	1.00 99.91	В
MOTA	2422	CD PRO		7.463	52.328	89.492	1.00100.07	В
ATOM	2423	CA PRO		8.186	53.333	87.416	1.00 99.91	В
ATOM	2424	CB PRO		7.138	52.280	87.132	1.00100.07	В
ATOM ATOM	2425 2426	CG PRO C PRO		6.360 7.592	52.296 54.723	88.434 87.345	1.00100.07 1.00 99.91	В
ATOM	2427	O PRO		7.528	55.342	86.283	1.00 99.91	B B
ATOM	2428	N ARG		7.136	55.184	88.501	1.00 99.05	В
ATOM	2429	CA ARG		6.524	56.490	88.647	1.00 99.05	B
ATOM	2430	CB ARG		5.059	56.313	89.046	1.00100.07	В
MOTA	2431	CG ARG	B 93	4.286	57.591	89.294	1.00100.07	В
ATOM	2432	CD ARG		3.730	58.184	88.012	1.00100.07	В
ATOM	2433	NE ARG		2.691	59.169	88.314	1.00100.07	В
ATOM	2434	CZ ARG		1.973	59.818	87.400	1.00100.07	В
ATOM	2435	NH1 ARG NH2 ARG		2.179	59.589 60.691	86.106	1.00100.07	B
ATOM ATOM	2436 2437	C ARG		1.042 7.300	57.174	87.779 89.765	1.00100.07 1.00 99.05	B B
ATOM	2438	O ARG		7.943	56.495	90.570	1.00 99.05	В
ATOM	2439		B 94	7.258	58.504	89.815	1.00100.07	B
ATOM	2440	CA TRP	В 94	7.968	59.221	90.866	1.00100.07	В
ATOM	2441		B 94	9.455	58.871	90.827	1.00100.07	В
MOTA	2442		B 94	9.992	58.360	92.132	1.00100.07	В
ATOM	2443	CD2 TRP	B 94	9.241	57.780	93.201	1.00100.07	В
ATOM	2444	CE2 TRP	B 94	10.172	57.412	94.210	1.00100.07	В
ATOM ATOM	2445 2446	CE3 TRP	B 94 B 94	7.881 11.296	57.538 58.317	93.426 92.511	1.00100.07	B B
ATOM	2447	NE1 TRP	B 94	11.419	57.751	93.754	1.00100.07	В
ATOM	2448	CZ2 TRP	B 94	9.785	56.805	95.406	1.00100.07	В
ATOM	2449	CZ3 TRP	B 94	7.489	56.934	94.617	1.00100.07	В
ATOM	2450	CH2 TRP	B 94	8.444	56.579	95.598	1.00100.07	В
ATOM	2451		B 94	7.817	60.741	90.843	1.00100.07	В
ATOM	2452	O TRP		7.075	61.297	90.026	1.00100.07	В
ATOM ATOM	2453 2454	N ARG		8.552 8.607	61.379 62.831	91.760 91.981	1.00100.04	B B
ATOM	2455	CB ARG		7.344	63.530	91.450	1.00100.04	В
ATOM	2456	CG ARG		7.514	64.026	90.017	1.00100.07	B
ATOM	2457	CD ARG	B 95	6.233	64.517	89.363	1.00100.07	В
ATOM	2458	NE ARG		6.537	65.143	88.075	1.00100.07	- в
ATOM	2459	CZ ARG		5.631	65.504	87.169	1.00100.07	В
ATOM	2460	NH1 ARG		4.336	65.300	87.402	1.00100.07	В
ATOM ATOM	2461 2462	NH2 ARG C ARG		6.020 8.732	66.073 63.047	86.030 93.489	1.00100.07	B B
ATOM	2463	O ARG		8.072	63.909	94.072	1.00100.04	В
ATOM	2464	N THR		9.602	62.240	94.072	1.00100.04	В
ATOM	2465	CA THR		9.877	62.226	95.532	1.00 53.76	B
ATOM	2466	CB THR		10.996	61.214	95.862	1.00100.07	В
MOTA	2467	OG1 THR	B 96	11.042	60.200	94.852	1.00100.07	В
ATOM	2468	CG2 THR		10.738	60.558	97.209	1.00100.07	В
ATOM	2469	C THR		10.283	63.528	96.198	1.00 53.76	В
MOTA	2470	O THR		9.967	64.620	95.736	1.00 53.76	В
MOTA MOTA	2471 2472	N THR		10.992 11.477	63.375 64.489	97.309 98.109	1.00 66.01	В
ATOM	2473	CB THR		10.568	64.756	99.333	1.00 84.61	B B
ATOM	2474	OG1 THR		9.191	64.675	98.942	1.00 84.61	В
MOTA	2475	CG2 THR		10.839	66.143	99.901	1.00 84.61	B
MOTA	2476	C THR	B 97	12.828	64.041	98.618	1.00 66.01	В
ATOM	2477	O THR		13.371	63.045	98.138	1.00 66.01	В
MOTA	2478	N LEU		13.358	64.766	99.595	1.00 90.84	В
MOTA	2479	CA LEU		14.645	64.432		1.00 90.84	В
MOTA	2480	CB LEU		15.766	64.668	99.171	1.00100.07	В
ATOM	2481	CG LEU		16.072	63.438	98.317	1.00100.07	B B
ATOM	2482	CD1 LEU	В 98	17.106	63.793	97.265	1.00100.07	R

ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2483 2484 2485 2486 2487 2489 2490 2491 2493 2494 2495	CD2 LEU B 98 C LEU B 98 O LEU B 98 N ILE B 99 CA ILE B 99 CG2 ILE B 99 CG1 ILE B 99 CD ILE B 99 C ILE B 99 C ILE B 99 C ILE B 99 C ILE B 99 N LEU B 100 CA LEU B 100 CB LEU B 100	16.553 14.936 14.724 15.443 15.764 15.091 15.535 13.574 13.049 17.258 18.018 17.661 19.046	62.298 99.214 65.189 101.459 66.400 101.570 64.443 102.426 64.996 103.715 64.178 104.816 64.666 106.177 64.276 104.586 65.039 103.958 64.203 103.958 64.203 103.473 66.048 104.711 66.254 105.075 67.066 104.001	1.00100.07 1.00 90.84 1.00 90.84 1.00100.07 1.00100.07 1.00 82.57 1.00 82.57 1.00 82.57 1.00 82.57 1.00100.07 1.00100.07 1.00100.07 1.00 94.32 1.00 96.49	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2497 2498 2499 2500 2501 2502 2503 2504	CG LEU B 100 CD1 LEU B 100 CD2 LEU B 100 C LEU B 100 O LEU B 100 N ARG B 101 CA ARG B 101 CB ARG B 101	21.262 22.084 21.742 18.921 18.637 19.099 18.996 17.862	67.353 104.253 66.077 104.097 68.412 103.281 67.072 106.336 68.261 106.265 66.428 107.484 67.124 108.756 66.541 109.600	1.00 96.49 1.00 96.49 1.00 96.49 1.00 94.32 1.00 94.32 1.00100.07 1.00100.07	B B B B B B B B B
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2505 2506 2507 2508 2509 2510 2511 2512 2513	CG ARG B 101 CD ARG B 101 NE ARG B 101 CZ ARG B 101 NH1 ARG B 101 NH2 ARG B 101 C ARG B 101 O ARG B 101 N ALA B 102	16.645 15.767 14.936 14.128 14.037 13.411 20.302 20.391 21.311	66.117 108.811 65.207 109.654 64.329 108.833 63.392 109.319 63.209 110.630 62.636 108.493 66.991 109.522 67.439 110.663 66.366 108.917	1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07	8 8 8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2514 2515 2516 2517 2518 2519 2520 2521	CA ALA B 102 CB ALA B 102 C ALA B 102 O ALA B 102 N ALA B 103 CA ALA B 103 CB ALA B 103 C ALA B 103	22.595 23.664 22.951 22.259 24.021 24.378 23.258 25.663	66.238 109.602 65.684 108.668 67.654 110.027 68.604 109.659 67.816 110.790 69.152 111.235 69.718 112.084 69.114 112.033	1.00 84.36 1.00 31.29 1.00 84.36 1.00 98.79 1.00 98.79 1.00 98.79 1.00 98.79	8 8 8 8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2522 2523 2524 2525 2526 2527 2528 2529 2530	O ALA B 103 N GLY B 104 CA GLY B 104 C GLY B 104 O GLY B 104 N PRO B 105 CD PRO B 105 CA PRO B 105 CB PRO B 105	26.061 26.301 27.552 28.491 28.585 29.177 28.942 30.118 30.670	70.105 112.646 67.952 112.049 67.847 112.760 68.825 112.083 68.821 110.855 69.695 112.840 69.919 114.281 70.692 112.296 71.345 113.565	1.00 98.79 1.00 99.66 1.00 99.66 1.00 99.66 1.00 99.90 1.00 61.68 1.00 99.90 1.00 61.68	8 8 8 8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2531 2532 2533 2534 2535 2536 2537 2538 2539	CG PRO B 105 C PRO B 105 O PRO B 105 N LYS B 106 CA LYS B 106 CB LYS B 106 CG LYS B 106 CD LYS B 106 CE LYS B 106	29.481 31.243 32.430 30.863 31.815 32.076 32.565 32.057 32.273	71.305 114.489 70.165 111.356 70.265 111.683 69.637 110.188 69.084 109.213 67.612 109.536 67.373 110.958 66.047 111.509 65.964 113.010	1.00 61.68 1.00 99.90 1.00 99.99 1.00 99.99 1.00 99.91 1.00 99.91 1.00 99.91	8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2540 2541 2542 2543 2544 2545 2546 2547	NZ LYS B 106 C LYS B 106 O LYS B 106 N GLU B 107 CA GLU B 107 CB GLU B 107 CG GLU B 107 CD GLU B 107	31.590 31.306 30.276 32.005 31.626 32.835 34.002 34.986	64.787 113.598 69.223 107.765 69.855 107.536 68.619 106.797 68.737 105.380 68.423 104.478 69.422 104.564 69.333 103.382	1.00 99.91 1.00 99.99 1.00 99.99 1.00 61.16 1.00 61.16 1.00100.07 1.00100.07	- B B B B B B B B B B
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2548 2549 2550 2551 2552 2553 2554 2555 2556	OE1 GLU B 107 OE2 GLU B 107 C GLU B 107 O GLU B 107 N VAL B 108 CA VAL B 108 CB VAL B 108 CG1 VAL B 108 CG2 VAL B 108	34.609 36.138 30.422 30.571 29.241 28.019 26.806 25.721 26.259	69.718 102.254 68.883 103.581 67.956 104.845 66.820 104.398 68.574 104.863 67.944 104.338 68.899 104.429 68.457 103.468 68.913 105.846	1.00100.07 1.00100.07 1.00 61.16 1.00 61.16 1.00 55.48 1.00 80.68 1.00 80.68 1.00 80.68	8 8 8 8 8 8 8 8 8
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	2557 2558 2559 2560 2561 2562 2563 2564 2565 2566	C VAL B 108 O VAL B 108 N ARG B 109 CA ARG B 109 CG ARG B 109 CD ARG B 109 CD ARG B 109 CZ ARG B 109 NE ARG B 109 NH1 ARG B 109 NH1 ARG B 109	28.256 28.874 27.759 27.998 29.477 30.058 31.512 32.377 33.699 34.299	67.612 102.871 68.395 102.167 66.472 102.399 66.098 101.007 65.782 100.833 64.980 101.985 64.666 101.726 65.057 102.832 64.922 102.816 64.406 101.753	1.00 55.48 1.00 55.48 1.00 92.03 1.00 92.03 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07	

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ATOM	2567	NH2	ARG B	109	34.422	65.301	103.860	1.00100.07	В
ATOM	2568	C	ARG B	109	27.177	64.938	100.448	1.00 92.03	В
ATOM	2569	0		109	27.539	63.777	100.629	1.00 92.03	В
MOTA	2570	N		110	26.094	65.269	99.745	1.00100.07	В
MOTA	2571	CA		110	25.198	64.291	99.121	1.00100.07	В
ATOM	2572	CB		110	25.788	63.809	97.803	1.00 80.83	В
ATOM	2573	C		110	24.821	63.091	99.994	1.00100.07	В
ATOM	2574	0		110	23.686	63.005	100.453	1.00100.07	В
MOTA	2575	N		111	25.763	62.166	100.203	1.00100.07	В
MOTA	2576 2577	CA		l11 l11	25.545 26.891	60.957 60.379	101.022 101.574	1.00100.07	B B
ATOM	2578	CB CG1		111	26.628	59.239	101.574	1.00 71.79 1.00 71.79	В
ATOM ATOM	2579	CG2		111	27.743		100.433	1.00 71.79	В
MOTA	2580	C		111	24.627		102.230	1.00100.07	В
ATOM	2581	Ö		111	23.600		102.381	1.00100.07	B
ATOM	2582	Ň		112	25.019		103.092	1.00 86.11	В
ATOM	2583	CA		112	24.280		104.304	1.00 86.11	В
MOTA	2584	CB	ASP B 1	112	25.011	63.522	105.052	1.00100.07	В
MOTA	2585	CG	ASP B 1	112	26.533	63.410	104.938	1.00100.07	В
MOTA	2586	OD1		112	27.230		105.352	1.00100.07	В
ATOM	2587	OD2		L12	27.036	62.376	104.438	1.00100.07	В
ATOM	2588	C		112	22.838	62.835	104.011	1.00 86.11	В
ATOM	2589	0		112	22.119		104.904	1.00 86.11	В
MOTA	2590	N		L13	22.416		102.761	1.00100.07	В
ATOM ATOM	2591 2592	CA CB		L13 L13	21.078 21.080	63.086 63.361	102.335 100.826	1.00100.07 1.00 90.11	B B
ATOM	2593	CG		113	20.489	64.683	100.447	1.00 90.11	В
ATOM	2594			113	20.974	65.859	100.997	1.00 90.11	В
MOTA	2595	CD2		113	19.466	64.758	99.516	1.00 90.11	В
ATOM	2596	CE1		113	20.448	67.093	100.623	1.00 90.11	В
ATOM	2597	CE2		113	18.934	65.989	99.135	1.00 90.11	В
ATOM	2598	CZ		113	19.427	67.156	99.689	1.00 90.11	В
MOTA	2599	C	PHE B 1	L13	19.949	62.105	102.655	1.00100.07	В
MOTA	2600	0		L13	19.202	61.717	101.756	1.00100.07	В
ATOM	2601	N		114	19.813		103.920	1.00100.07	В
ATOM	2602	CA		114	18.742	60.789	104.315	1.00100.07	В
ATOM	2603	CB		L14 L14	17.361	61.486 62.487	104.238	1.00 88.84	B B
ATOM ATOM	2604 2605	OG1 CG2		L14 L14	17.280 16.229	60.486	105.258	1.00 88.84 1.00 88.84	В
ATOM	2606	C		114	18.704	59.555	103.409	1.00100.07	В
ATOM	2607	õ		114	18.027		102.379	1.00100.07	В
ATOM	2608	Ň		115	19.409	58.477	103.798	1.00 99.99	В
MOTA	2609	CD	PRO B 1	L15	20.172		105.052	1.00100.07	В
ATOM	2610	CA	PRO B 1	L15	19.467	57.231	103.021	1.00 99.99	В
ATOM	2611	CB		L15	20.439		103.825	1.00100.07	В
ATOM	2612	CG		L15	20.235		105.223	1.00100.07	В
ATOM	2613	C		115	18.169	56.495	102.696	1.00 99.99	В
ATOM	2614 2615	O N		l15 l16	17.844 17.452	56.995	103.319	1.00 99.99 1.00100.07	B B
ATOM ATOM	2616	CA		116	16.196	56.402	101.246	1.00100.07	В
ATOM	2617	CB		116	15.185	57.509	100.928	1.00 61.15	B
ATOM	2618	OG		116	14.031	56.989	100.286	1.00 61.15	В
MOTA	2619	С	SER B 1	116	16.414	55.533	100.001	1.00100.07	В
ATOM	2620	0	SER B 1	L16	17.012	55.977	99.022	1.00100.07	В
ATOM	2621	N		117	15.940	54.290	100.046	1.00 67.48	В
ATOM	2622	CA		117	16.071	53.394	98.904	1.00 67.48	В
ATOM	2623	CB		117	15.756	51.942	99.309	1.00 19.78	В
MOTA	2624 2625	C	ALA B 1	117	15.080 14.692	53.894 55.060	97.864 97.903	1.00 67.48 1.00 67.48	B B
ATOM ATOM	2626	O N	ASP B 1		14.666	53.000	96.948	1.00 81.51	- B
ATOM	2627	CA	ASP B 1		13.727	53.380	95.879	1.00 81.51	В
ATOM	2628	CB		118	12.296	53.561	96.428	1.00 99.81	В
ATOM	2629	ĊĠ		118	12.189	54.653	97.481	1.00 99.81	В
ATOM	2630		ASP B 1		12.482	54.391	98.670	1.00 99.81	В
MOTA	2631	OD2	ASP B 1	118	11.809	55.782	97.110	1.00 99.81	В
ATOM	2632	C		L18	14.169	54.632	95.117	1.00 81.51	В
ATOM	2633	0		118	13.482	55.097	94.202	1.00 81.51	В
ATOM	2634	N	VAL B 1		15.326	55.163	95.506 94.886	1.00 99.55	В
MOTA MOTA	2635 2636	CA CB		l19 l19	15.917 15.337	56.345 57.668	95.467	1.00 99.55 1.00 47.33	B B
ATOM	2637	CG1			15.695	58.823	94.556	1.00 47.33	B
ATOM	2638	CG2		119	13.830	57.580	95.614	1.00 47.33	В
ATOM	2639	C	VAL B 1		17.419	56.317	95.168	1.00 99.55	В
MOTA	2640	0	VAL B 1		17.832	56.326	96.327	1.00 99.55	В
MOTA	2641	N	GLU B 1		18.232	56.268	94.115	1.00100.07	В
ATOM	2642	CA		120	19.686	56.242	94.281	1.00100.07	В
ATOM	2643	CB		L20	20.347	55.297	93.259	1.00100.07	В
ATOM ATOM	2644 2645	CD	GLU B 1	120	20.584 21.693	53.863 53.132	93.765 92.999	1.00100.07	B B
ATOM	2646	OE1		L20	22.851	53.609	93.029	1.00100.07	В
ATOM	2647	OE2			21.410	52.082	92.373	1.00100.07	В
ATOM	2648	c	GLU B 1		20.334	57.622	94.176	1.00100.07	В
MOTA	2649	0	GLU B 1	120	19.760	58.562	93.617	1.00100.07	В
MOTA	2650	N	ILE B 1	21	21.540	57.722	94.730	1.00 86.75	В

A GARAGE

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2651
                       ILE B 121
                                           22.320
                                                      58.952
                                                                94.725
                                                                           1.00 86.75
                                                                                                 В
ATOM
                  CA
MOTA
          2652
                  CB
                       ILE B 121
                                           22.667
                                                      59.395
                                                                 96.176
                                                                           1.00 60.89
          2653
                  CG2
                       ILE B 121
                                           23.796
                                                      60.419
                                                                 96.169
                                                                           1.00 60.89
MOTA
MOTA
          2654
                 CG1 ILE B 121
CD ILE B 121
                                           21.408 20.766
                                                      59.954
                                                                96.864
                                                                           1.00 60.89
                                                                                                 R
          2655
                                                      61.159
58.669
MOTA
                                                                 96.164
                                                                           1.00 60.89
                                                                                                 B
                       ILE B 121
                                                                93.948
          2656
                  C
                                           23.593
                                                                           1.00 86.75
ATOM
ATOM
          2657
                  0
                       ILE B 121
                                           24.635
                                                      58.360
                                                                 94.526
                                                                           1.00 86.75
ATOM
          2658
                 N
                       MET B 122
                                           23.483
                                                      58.756
                                                                 92.628
                                                                           1.00 68.28
MOTA
          2659
                  CA
                       MET B 122
                                           24.607
                                                      58.510
                                                                91.736
                                                                           1.00 68.28
                      MET B 122
MET B 122
MET B 122
MOTA
          2660
                 CB
                                           24.272
                                                      59.014
                                                                90.331
                                                                           1.00100.07
                                                                                                 B
                 CG
SD
                                           24.003 22.975
                                                      57.901
56.597
                                                                           1.00100.07
MOTA
          2661
                                                                89.333
                                                                90.026
MOTA
          2662
                 CE
                       MET B 122
                                           24.226
                                                      55.365
                                                                           1.00100.07
MOTA
          2663
                                                                90.479
MOTA
          2664
                       MET B 122
                                           25.891
                                                      59.178
                                                                 92.235
                                                                           1.00 68.28
                                                                           1.00 68.28
1.00 99.82
1.00 99.82
                       MET B 122
ASN B 123
ASN B 123
MOTA
          2665
                  0
                                           26.891
                                                      58.508
                                                                92.514
                                                                                                 В
                                                      60.501
61.257
                                           25.857
27.009
                                                                92.341
92.807
MOTA
          2666
                 Ν
                                                                                                 В
          2667
                  CA
ATOM
                                                                                                 В
                       ASN B 123
                                           27.095
                                                                           1.00 54.79
MOTA
          2668
                 CB
                                                      62.579
                                                                92.045
MOTA
          2669
                       ASN B 123
                                           25.800
                                                      63.352
                                                                92.084
                                                                           1.00 54.79
MOTA
          2670
                  OD1
                       ASN B 123
                                           24.718
                                                      62.769
                                                                92.119
                                                                           1.00 54.79
                                                                                                 В
                 ND2 ASN B 123
C ASN B 123
O ASN B 123
                                           25.900
26.908
                                                      64.673
61.495
                                                                           1.00 54.79
1.00 99.82
MOTA
          2671
                                                                92.058
94.314
                                                                                                 В
          2672
                                                                                                 В
ATOM
          2673
                                           26.147
                                                      62.348
                                                                94.773
                                                                           1.00 99.82
MOTA
MOTA
          2674
                 N
                       PRO B 124
                                           27.699
                                                      60.743
                                                                95.098
                                                                           1.00 35.86
MOTA
          2675
                  CD
                       PRO B 124
                                           28.697
                                                      59.817
                                                                94.528
                                                                           1.00100.07
                                                                                                 В
                                                                96.562
96.840
95.726
97.208
                       PRO B 124
PRO B 124
PRO B 124
                                           27.800
28.588
                                                      60.747
59.484
                                                                           1.00 35.86 1.00100.07
MOTA
          2676
                  CA
          2677
                 CB
ATOM
                 CG
                                           29.581
                                                      59.509
                                                                           1.00100.07
          2678
MOTA
          2679
                       PRO B 124
                                           28.453
                                                      61.931
                                                                           1.00 35.86
MOTA
                 С
ATOM
                                           27.993
29.550
          2680
                 Ö
                       PRO B 124
                                                      62.399
                                                                98.241
                                                                           1.00 35.86
                                                                                                 В
                      ASP B 125
ASP B 125
                                                      62.386
                                                                           1.00100.07
MOTA
          2681
                 N
                                                                96.620
                                                                                                 B
                                                                97.160
96.541
96.400
                                                      63.514
63.542
                 CA
                                           30.287
                                                                           1.00100.07
ATOM
          2682
                                                                                                 В
                                           31.677
32.258
                       ASP B 125
                                                                           1.00100.07
          2683
                 CB
ATOM
ATOM
                 CG
                       ASP B 125
                                                      62.150
                                                                           1.00100.07
          2684
ATOM
          2685
                 OD1 ASP B 125
                                           31.872
                                                      61.267
                                                                97.195
                                                                           1.00100.07
                                                                                                 В
                 OD2 ASP B 125
C ASP B 125
O ASP B 125
                                                                95.504
96.873
97.639
                                                      61.932
64.795
                                                                           1.00100.07
MOTA
         2686
                                           33.096
                                           29.525
MOTA
         2687
                                                                                                 В
                                           28.635
                                                      65.159
                                                                           1.00100.07
          2688
                                                                                                 В
ATOM
                 N
                       LEU B 126
                                                      65.465
                                                                95.770
MOTA
          2689
                                           29.842
                                                                           1.00 99.82
          2690
                 CA
                       LEU B 126
                                           29.157
                                                      66.711
                                                                95.441
                                                                           1.00 99.82
MOTA
                                                                94.950
94.631
93.347
                      LEU B 126
LEU B 126
                                           27.736
26.955
                                                      66.440
67.718
                                                                           1.00 92.04
MOTA
         2691
                 CB
                                                                                                 В
                                                                           1.00 92.04
                 CG
ATOM
          2692
                                                                                                 В
          2693
                 CD1 LEU B 126
                                           27.485
                                                      68.342
                                                                           1.00 92.04
ATOM
                      LEU B 126
                                           25.485
                                                      67.397
                                                                94.491
                                                                           1.00 92.04
ATOM
         2694
                 CD2
                                                      67.545
67.603
ATOM
          2695
                       LEU B 126
                                           29.098
                                                                96.714
                                                                           1.00 99.82
                                                                                                 В
                      LEU B 126
HIS B 127
HIS B 127
                                                                97.378
97.043
                                                                           1.00 99.82
1.00 68.55
ATOM
         2696
                 0
                                           28.062
                                           30.213
ATOM
         2697
                 N
CA
                                                      68.187
                                                                                                 В
                                           30.334
                                                      68.991
                                                                98.251
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ND1 HIS B 127
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OE2 GLU B 133
C GLU B 133
O GLU B 133
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GLY B 135
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CB GLU B 140
CG GLU B 140
OE1 GLU B 140
OE2 GLU B 140
O GLU B 140
O GLU B 140
O GLU B 140
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CA VAL B 141
CG1 VAL B 141
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ASP B 144
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C
ATOM
                     GLY B 148
         2863
                                                  69.601
70.368
                                                            78.532
79.721
                                                                      1.00 59.44
ATOM
         2864
                     GLY B 148
                                        14.693
                                                                      1.00 59.44
                                                                                          В
                                                  69.767
71.696
ATOM
         2865
                0
                     GLY B 148
                                        15.242
                                                            80.648
                                                                      1.00 59.44
                                                                                          B
                     TYR B 149
TYR B 149
TYR B 149
ATOM
ATOM
         2866
                N
CA
                                        14.574
                                                            79.697
                                                                      1.00 61.94
                                                                                          В
         2867
                                        15.084
16.250
17.066
                                                  72.552
                                                            80.783
                                                                      1.00 61.94
ATOM
         2868
                CB
                                                  73.427
                                                            80.288
                                                                      1.00 40.16
MOTA
         2869
                CG
                     TYR B 149
                                                  74.178
73.518
                                                            81.346
82.119
83.004
                                                                      1.00 40.16
                                                                                          В
         2870
ATOM
                CD1 TYR B 149
                                        18.019
                                                                      1.00 40.16
                                                                                          В
MOTA
         2871
                CE1 TYR B 149
                                        18.853
                                                  74.224
                                                                      1.00 40.16
                                                                                          В
ATOM
         2872
                CD2 TYR B 149
                                        16.958
                                                  75.571
                                                            81.493
                                                                      1.00 40.16
                                                                                          В
ATOM
         2873
                CE2 TYR B 149
CZ TYR B 149
                                        17.792
                                                  76.289
                                                            82.378
                                                                      1.00 40.16
                                                                                          В
ATOM
         2874
                                       18.739
19.576
13.950
                                                  75.605
                                                            83.128
                                                                      1.00 40.16
         2875
                OH
                     TYR B 149
ATOM
                                                  76.283
                                                            83.998
                                                                      1.00 40.16
         2876
                     TYR B 149
                С
                                                  73.465
                                                            81.216
                                                                      1.00 61.94
                                                                                          В
ATOM
         2877
                     TYR B 149
                                        13.169
                                                  73.911
73.724
                                                           80.381
82.516
                                                                     1.00 61.94
1.00 99.87
                                                                                          R
ATOM
         2878
                N
                     VAL B 150
                                        13.845
                                                                                          B
ATOM
         2879
                CA
                     VAL B 150
                                        12.824
                                                  74.629
                                                            83.036
                                                                      1.00 99.87
                                                                                          В
                CB VAL B 150
CG1 VAL B 150
ATOM
         2880
                                        11.508
                                                  73.938
                                                            83.379
                                                                     1.00 90.50
                                                                                          В
ATOM
         2881
                                       10.516
10.953
                                                  74.987
73.226
75.286
                                                            83.887
                                                                      1.00 90.50
ATOM
         2882
                CG2 VAL B 150
                                                           82.161
84.313
85.247
                                                                     1.00 90.50
MOTA
         2883
                     VAL B 150
                                        13.328
                                                                     1.00 99.87
                                                                                         В
                                                                     1.00 99.87
1.00100.07
ATOM
         2884
                0
                     VAL B 150
                                        13.768
                                                  74.615
                                                                                         В
                     PRO B 151
PRO B 151
PRO B 151
ATOM
ATOM
         2885
                N
CD
                                        13.253
                                                            84.371
                                                  76.619
                                                                                         В
         2886
                                        13.023
                                                  77.508
                                                            83.215
                                                                     1.00 74.65
                                                                                         В
MOTA
         2887
                CA
                                       13.710
14.412
                                                 77.381
                                                           85.532
                                                                     1.00100.07
                     PRO B 151
ATOM
         2888
                CB
                                                  78.552
                                                                     1.00 74.65
1.00 74.65
                                                           84.881
ATOM
         2889
                CG
                     PRO B 151
                                       13.440
                                                 78.880
                                                           83.752
ATOM
         2890
                     PRO B 151
                                       12.600
                                                  77.848
                                                           86.466
86.726
86.964
                                                                     1.00100.07
ATOM
         2891
                0
                     PRO B 151
                                                 77.126
79.073
                                       11.637
                                                                     1.00100.07
                    ALA B 152
ALA B 152
ALA B 152
ALA B 152
ATOM
        2892
                N
                                       12.767
                                                                     1.00 59.87
ATOM
         2893
                CA
CB
                                                                     1.00 59.87
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                                                 79.716
                                                            87.851
ATOM
         2894
                                       12.429
                                                 80.935
                                                           88.505
                                                                     1.00100.07
ATOM
        2895
                C
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                                                 80.126
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                                                                     1.00 59.87
ATOM
         2896
                     ALA B 152
                                       10.185
                                                 81.308
79.111
                                                                     1.00 59.87
                                                           86.957
MOTA
         2897
                     GLU B 153
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                                                           86.455
                                                                     1.00100.07
ATOM
        2898
                     GLU B 153
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                                                 79.230
                                                           85,669
                                                                     1.00100.07
ATOM
        2899
                CB
                     GLU B 153
                                         8.982
                                                  78.839
                                                           84.212
                                                                     1.00 88.53
                                                                                         R
ATOM
        2900
                CG
                     GLU B 153
                                         7.738
                                                 78.417
                                                           83.439
                                                                     1.00 88.53
        2901
                    GLU B 153
ATOM
                CD
                                         6.629
                                                 79.446
                                                           83.505
                                                                     1.00 88.53
                OE1 GLU B 153
ATOM
                                         6.884
                                                 80.616
                                                           83.160
                                                                     1.00 88.53
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OE2 GLU B 153 ATOM 2903 5.500 1.00 88.53 79.086 83.898 78.185 2904 GLU B 153 7.821 86.324 86.459 1.00100.07 ATOM 2905 GLU B 153 6.604 78.349 1.00100.07 86.726 87.398 N ARG B 154 77.099 ATOM 2906 8.468 1.00 89.73 ATOM 2907 ARG B 154 7.811 76.002 1.00 89.73 ARG B 154 8.359 7.792 74.676 ATOM 2908 CB 86.871 1.00100.07 ARG B 154 73.455 2909 ATOM CG 1.00100.07 87.555 72.400 7.363 86.546 ATOM 2910 CD ARG B 154 1.00100.07 ARG B 154 71.222 87,213 ATOM 2911 NE 6.815 1.00100.07 ATOM 2912 ARG B 154 6.216 70.216 86.587 1.00100.07 ATOM 2913 NH1 ARG B 154 6.081 70.239 85.266 1.00100.07 ATOM 2914 NH2 ARG B 154 5.756 69.188 87.286 1.00100.07 1.00 89.73 1.00 89.73 1.00 81.81 ATOM 2915 C ARG B 154 8.163 76.184 75.772 88.871 9.236 7.238 ATOM 2916 ō ARG B 154 89.331 89.588 HIS B 155 76.815 MOTA 2917 N 2918 HIS B 155 77.134 1.00 81.81 ATOM CA 7.382 91.006 MOTA 2919 CB HIS B 155 6.327 78.176 91.384 1.00100.07 HIS B 155 5.950 4.746 6.879 ATOM 2920 CG 79.084 90.252 1.00100.07 CD2 HIS B 155 ND1 HIS B 155 79.552 79.607 2921 89.844 89.378 1.00100.07 1.00100.07 MOTA ATOM 2922 CE1 HIS B 155 6.264 80.355 88.479 ATOM 2923 1.00100.07 ATOM 2924 NE2 HIS B 155 4.969 80.338 88.739 1.00100.07 7.331 MOTA 2925 HIS B 155 75.958 91.987 1.00 81.81 HIS B 155 GLY B 156 GLY B 156 1.00 81.81 1.00 78.05 1.00 78.05 1.00 78.05 74.932 76.132 ATOM ATOM 2926 0 91.720 8.010 2927 N 93.123 ATOM 8.060 6.987 2928 CA 75.111 75.314 94.158 95.213 Ċ **GLY B 156** ATOM 2929 ATOM 2930 Ó **GLY B 156** 7.278 75.574 96.378 1.00 78.05 ATOM 2931 N ILE B 157 5.733 75.192 94.785 1.00100.07 ATOM 2932 CA ILE B 157 4.583 75.351 95.666 1.00100.07 CB ILE B 157 CG2 ILE B 157 3.276 74.823 75.472 75.165 1.00 83.13 1.00 83.13 1.00 83.13 ATOM ATOM 2933 94.995 2934 2.063 95.639 3.253 3.110 93.503 93.196 ATOM 2935 CG1 ILE B 157 2936 ILE B 157 76.638 1.00 83.13 ATOM CD ATOM 2937 С ILE B 157 4.817 74.567 96.962 1.00100.07 ATOM 2938 0 ILE B 157 4.783 75.139 98.047 1.00100.07 LYS B 158 LYS B 158 1.00100.07 1.00100.07 ATOM 2939 N 5.062 73.262 96.827 97.953 97.885 ATOM 2940 CA 5.302 6.715 72.353 ATOM 2941 CB LYS B 158 71.773 1.00 99.97 LYS B 158 2942 CG 6.765 70.380 97.301 1.00 99.97 ATOM 7.549 7.530 8.255 ATOM 2943 CDLYS B 158 69.436 98.190 1.00 99.97 68.029 67.062 72.916 1.00 99.97 1.00 99.97 LYS B 158 LYS B 158 97.618 ATOM 2944 CE 98.482 99.354 2945 NZ ATOM 5.076 1.00100.07 ATOM 2946 С LYS B 158 2947 LYS B 158 99.786 ATOM 0 3.934 73.086 1.00100.07 ATOM 2948 N ASP B 159 6.178 73.174 100.060 1.00 83.66 ASP B 159 73.723 101.420 73.816 101.958 74.397 103.367 ATOM 2949 CA 6.164 1.00 83.66 ASP B 159 ASP B 159 ATOM ATOM 7.601 7.675 1.00 85.27 1.00 85.27 2950 CB 2951 CG ATOM 2952 OD1 ASP B 159 7.208 73.722 104.310 1.00 85.27 2953 OD2 ASP B 159 8.206 75.525 103.529 1.00 85.27 ATOM ATOM 2954 С ASP B 159 5.550 75.122 101.407 1.00 83.66 ASP B 159 2955 0 5.956 4.581 75.989 102.178 75.334 100.520 1.00 83.66 1.00 80.11 ATOM ATOM ARG B 160 2956 N ATOM 2957 CA ARG B 160 3.902 76.619 100.385 1.00 80.11 76.901 101.622 75.714 102.162 76.058 103.536 74.935 104.200 74.967 105.461 ATOM 2958 CB ARG B 160 3.040 1.00100.07 MOTA 2959 CG CD ARG B 160 2.240 1.668 1.00100.07 ARG B 160 ATOM 2960 1.00100.07 MOTA 2961 ARG B 160 1.012 NE ARG B 160 0.587 1.00100.07 ATOM 2962 czMOTA 2963 NH1 ARG B 160 0.751 76.063 106.191 1.00100.07 73.905 105.996 77.725 100.241 78.126 99.129 ATOM 2964 NH2 ARG B 160 -0.001 1.00100.07 ATOM 2965 C ARG B 160 ARG B 160 4.933 1.00 80.11 1.00 80.11 ATOM 2966 78.233 101.379 ATOM 2967 N ILE B 161 5.403 1.00100.07 ILE B 161 6.423 79.263 101.361 ATOM 2968 CA 1.00100.07 1.00 93.92 1.00 93.92 1.00 93.92 ATOM 2969 CB ILE B 161 5.817 80.686 101.585 CG2 ILE B 161 CG1 ILE B 161 6.914 5.092 81.701 101.919 81.117 100.298 ATOM 2970 2971 ATOM 4.737 82.588 100.223 78.996 102.240 1.00 93.92 ATOM 2972 CD ILE B 161 2973 C ILE B 161 1.00100.07 ATOM ATOM 2974 0 ILE B 161 7.548 78.840 103.460 1.00100.07 8.767 ATOM 2975 N ASN B 162 .78.921 101.534 1.00100.07 1.00100.07 1.00 87.12 1.00 87.12 2976 CA CB 10.119 78.653 102.024 77.925 103.377 ATOM ASN B 162 ASN B 162 MOTA 2977 MOTA 2978 CG ASN B 162 9.859 78.855 104.552 2979 10.393 79.968 104.627 1.00 87.12 ATOM OD1 ASN B 162 MOTA 2980 ND2 ASN B 162 9.049 78.389 105.489 1.00 87.12 MOTA 2981 С ASN B 162 10.683 77.717 100.949 1.00100.07 77.077 101.108 MOTA 2982 0 ASN B 162 11.729 1.00100.07 9.955 10.297 9.130 ALA B 163 77.661 1.00 85.63 ATOM 2983 N 99.842 ATOM 2984 CA 76.816 1.00 85.63 ALA B 163 98.718 ALA B 163 76.789 97.745 1.00 66.82 ATOM 2985 CB ATOM C ALA B 163 11.575 97.975 1.00 85.63 2986 77,194

W 2.00"

ATOM 2987 ALA B 163 97.646 12.384 76.318 1.00 85.63 ILE B 164 ILE B 164 ATOM ATOM 2988 N 11.755 78.489 97.717 1.00 83.16 2989 CA 12.914 78.972 96.964 1.00 83.16 ATOM 2990 CB ILE B 164 14.184 79.126 97.855 1.00 54.32 B ATOM 2991 ILE B 164 ILE B 164 CG2 13.875 80.052 99.028 1.00 54.32 2992 CG1 77.763 77.780 77.979 77.455 77.724 ATOM 14.678 98.348 1.00 54.32 ATOM 2993 CD ILE B 164 16.115 98.826 1.00 54.32 ATOM 2994 ILE B 164 13.199 95.831 1.00 83.16 ATOM 2995 ILE B 164 14.308 95.703 94.982 1.00 83.16 1.00 89.68 PRO B 165 PRO B 165 ATOM 2996 N 12.188 ATOM 2997 CD 10.966 78.534 94.853 1.00 34.51 2998 ATOM CA PRO B 165 PRO B 165 76.797 77.035 78.458 12.291 93.855 1.00 89.68 СВ ATOM 2999 10.987 93.096 1.00 34.51 PRO B 165 ATOM 3000 CG 10.694 93.371 1.00 34.51 76.951 77.969 13.531 13.738 ATOM 3001 PRO B 165 92.975 1.00 89.68 ATOM 3002 PRO B 165 92.311 1.00 89.68 ATOM 3003 N VAL B 166 14.349 75.909 92.990 1.00 93.92 1.00 93.92 В 3004 ATOM CA VAL B 166 15.572 75.852 92.215 В ATOM 3005 CB VAL B 166 16.404 74.635 92.638 1.00 34.28 74.570 74.705 ATOM 3006 CG1 VAL B 166 17.695 91.845 1.00 34.28 VAL B 166 VAL B 166 VAL B 166 ASP B 167 В ATOM 3007 CG2 16.691 94.124 1.00 34.28 В ATOM 3008 С 15.209 75.699 90.747 1.00 93.92 ATOM 3009 0 14.030 75.601 75.680 75.515 90.398 1.00 93.92 ATOM 3010 16.224 1.00 54.81 1.00 54.81 1.00 79.60 1.00 79.60 89.888 ATOM 3011 CA ASP B 167 16.001 88.460 В ASP B 167 ATOM 3012 CB 17.027 76.309 87.649 R ATOM 3013 CG 16.789 77.801 87.714 R ATOM 3014 OD1 15.643 17.744 78.220 87.437 1.00 79.60 В ATOM 3015 OD2 78.546 88.037 1.00 79.60 В ATOM 3016 C 16.089 74.042 88.102 1.00 54.81 В ATOM 3017 Ō ASP B 167 16.657 15.533 73.231 88.840 1.00 54.81 ATOM 3018 ALA B 168 73.699 86.953 1.00 35.06 В ATOM 3019 CA ALA B 168 15.530 72.319 86.520 86.055 1.00 35.06 ATOM ATOM 3020 CB ALA B 168 14.148 71.957 1.00 82.11 В 3021 0 ALA B 168 16.536 71.986 85.431 1.00 35.06 В ATOM 3022 16.595 17.314 ALA B 168 72.639 84.390 1.00 35.06 В ATOM 3023 N ILE B 169 70.945 85.672 1.00 64.88 В ATOM 3024 ILE B 169 CA 70.515 70.753 18.298 19.728 84.709 1.00 64.88 ATOM 3025 CB ILE B 169 85.232 84.980 86.730 87.076 1.00 96.76 В ATOM 3026 CG2 ILE B 169 20.131 72.181 1.00 96.76 В MOTA 3027 CG1 ILE B 169 19.813 70.443 1.00 96.76 1.00 96.76 В 3028 3029 ATOM CD ILE B 169 19.959 68.976 В ILE B 169
ILE B 169
PHE B 170
PHE B 170 ATOM C 18.111 69.048 84.410 1.00 64.88 В ATOM 3030 O 19.037 68.259 84.571 1.00 64.88 В ATOM 3031 N 68.665 67.265 16.906 16.683 83.998 1.00 36.37 В ATOM 3032 CA 83.656 1.00 36.37 66.815 67.930 ATOM 3033 СВ PHE B 170 15.251 83.946 84.272 1.00 77.26 1.00 77.26 В ATOM 3034 CG PHE B 170 14.299 В CD1 PHE B 170 CD2 PHE B 170 CE1 PHE B 170 ATOM 13.755 3035 68.717 83.264 1.00 77.26 В ATOM 3036 13.869 68.131 85.584 1.00 77.26 В ATOM 3037 12.784 69.682 83.557 1.00 77.26 В ATOM 3038 CE2 PHE B 170 12.904 12.359 69.089 85.880 1.00 77.26 ATOM 3039 CZ PHE B 170 69.864 67.059 84.863 1.00 77.26 В 82.197 81.350 81.951 80.640 ATOM 3040 С PHE B 170 17.009 1.00 36.37 В ATOM 3041 0 PHE B 170 67.801 16.539 1.00 36.37 В SER B 171 SER B 171 SER B 171 N CA ATOM 3042 17.841 66.051 1.00 62.92 В ATOM 3043 18.358 65.651 1.00 62.92 В ATOM 3044 СВ 18.434 17.176 19.786 66.831 79.657 1.00 62.68 В OG ATOM 3045 SER B 171 67.196 65.250 79.129 1.00 62.68 80.962 81.037 81.206 81.712 81.501 ATOM 3046 С **SER B 171** 1.00 62.92 ATOM 3047 0 SER B 171 20.656 66.109 1.00 62.92 в 3048 N ATOM PRO B 172 20.048 63.960 1.00 94.48 B ATOM 3049 CD CA PRO B 172 PRO B 172 19.176 62.890 1.00 90.02 В ATOM 3050 21.449 21.388 63.660 1.00 94.48 ATOM СВ PRO B 172 3051 62.238 82.024 1.00 90.02 MOTA 3052 CG PRO B 172 20.071 62.220 63.828 82.728 80.254 1.00 90.02 MOTA 3053 С PRO B 172 22.345 1.00 94.48 В 80.000 ATOM 3054 0 PRO B 172 23.250 63.029 1.00 94.48 В 3055 ATOM N VAL B 173 22.057 64.872 1.00 92.81 79.473 В ATOM 3056 CA VAL B 173 22.833 65.224 78.284 1.00 92.81 В ATOM 3057 CB 22.018 21.733 20.733 65.161 63.730 **VAL B 173** 76.960 1.00 51.56 3058 CG1 VAL B 173 ATOM 76.600 1.00 51.56 77.084 ATOM 3059 VAL B 173 CG2 65.957 1.00 51.56 78.451 78.231 MOTA 3060 VAL B 173 23.348 66.648 67.618 1.00 92.81 1.00 92.81 В ATOM 3061 0 VAL B 173 22.621 В MOTA 3062 1.00100.07 N ARG B 174 24.601 66.766 78.873 В 3063 ATOM CA ARG B 174 25.228 68.067 79.045 1.00100.07 В ATOM 3064 CB ARG B 174 ARG B 174 26.141 68.072 80.270 1.00100.07 В ATOM 3065 CG 25.640 25.106 67.291 81.482 1.00100.07 ARG B 174 ATOM 3066 CD 68.215 82.555 1.00100.07 ATOM 3067 24.912 67.536 NE ARG B 174 83.830 1.00100.07 ATOM 3068 ARG B 174 24.206 68.043 84.835 1.00100.07 MOTA 3069 NH1 ARG B 174 23.631 69.232 84.699 1.00100.07 ATOM 3070 NH2 ARG B 174 24.078 67.368 1.00100.07 85,972

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MOTA
           3071
                        ARG B 174
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                                                     68.212
                                                                77.803
                                                                          1.00100.07
                                                     67.416
69.182
  ATOM
           3072
                   0
                        ARG B 174
                                           27.015
                                                                77.607
                                                                          1.00100.07
  ATOM
           3073
                   N
                        ARG B 175
                                           25.796
                                                                76.945
                                                                          1.00 74.17
                        ARG B 175
           3074
  ATOM
                   CA
                                           26.609
                                                      69.394
                                                                75.746
                                                                          1.00
                                                                                74.17
  MOTA
           3075
                   CB
                                           28.078
                                                     69.481
                                                                76.168
                                                                          1.00
                                                                                38.79
  ATOM
           3076
                   CG
                                           29.043
                                                     69.844
                                                                75.084
                                                                          1.00
                                                                                38.79
  ATOM
           3077
                   CD
                                           30.429
31.346
                                                                75.644
                                                     70.017
                                                     70.404
  ATOM
           3078
                        ARG B 175
                                                                74.587
                                                                          1.00
  ATOM
           3079
                   CZ
                        ARG B 175
                                           32.663
                                                     70.394
                                                                74.709
                                                                          1.00 38.79
                       ARG B 175
ARG B 175
  MOTA
           3080
                   NH1
                                                     70.018
                                           33.219
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                                                                          1.00
                                                                                38.79
  ATOM
           3081
                   NH2
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                                                     70.740
                                                                73.682
                                                                          1.00 38.79
1.00 74.17
           3082
  ATOM
                        ARG B 175
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                                                     68.356
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                                                                74.625
  ATOM
           3083
                       ARG B 175
VAL B 176
VAL B 176
                                           26.337
                                                                          1.00 74.17
                                                     67.167
                                                                74.894
  ATOM
           3084
                                                     68.827
67.986
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                                           26.481
                                                                73.374
                                                                          1.00
                                                                                73.32
                                                                                              В
  ATOM
           3085
                   CA
                                           26.354
                                                                72.168
                                                                          1.00
                                                                                73.32
  MOTA
           3086
                   СB
                       VAL B 176
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                                                     67.629
                                                               71.870
                                                                          1.00 75.21
  ATOM
           3087
                       VAL B 176
                  CG1
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24.342
                                                     66.997
                                                               70.486
                                                                          1.00 75.21
  ATOM
           3088
                  CG2
                       VAL B 176
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68.687
                                                               72.922
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  ATOM
           3089
                       VAL B 176
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                                                               70.919
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70.436
  ATOM
           3090
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                       VAL B 176
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                                                     69.634
                                                                         1.00 73.32
                       ALA B 177
ALA B 177
ALA B 177
           3091
3092
  ATOM
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                  CA
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                                          29.906
29.175
29.308
29.441
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           3093
                  CB
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  ATOM
           3094
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  ATOM
           3095
                       ALA B 177
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68.051
                                                               68.679
67.025
                                                                         1.00100.07
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1.00 43.26
1.00 35.05
1.00 35.05
1.00 35.05
 ATOM
           3096
                  N
                       PHE B 178
 ATOM
           3097
                  CA
                       PHE B 178
                                          29.835
                                                     67.070
                                                               66.013
 ATOM
          3098
                  CB
                       PHE B 178
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                                                     66.240
                                                               65.639
64.936
 ATOM
          3099
                  CG
                       PHE B 178
                                          27.584
                                                     67.029
                       PHE B 178
PHE B 178
 ATOM
          3100
                  CD1
                                          27.631
                                                     67.202
                                                               63.564
                                                                                              В
 ATOM
          3101
                  CD2
                                          26.580
                                                     67.650
                                                               65.653
                                                                         1.00 35.05
                       PHE B 178
PHE B 178
 ATOM
          3102
                  CE1
                                          26.683
                                                     67.987
                                                               62.915
                                                                         1.00 35.05
                                                                                              В
 ATOM
          3103
                  CE2
                                          25.634
25.683
30.310
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                                                                         1.00 35.05
                  CZ
                       PHE B 178
 MOTA
          3104
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67.741
68.850
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 ATOM
          3105
                       PHE B 178
                                                               64.739
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 ATOM
ATOM
          3106
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                       PHE B 178
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1.00 38.06
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                                                              67.021
                                                                         1.00
ATOM
         3403
                0
                                                    61.063
                                                                               44.46
                                                                                              В
                                         12.486
                                                    61.335
                                                              66.980
                                                                         1.00
                                                                               80.63
ATOM
         3404
                N
                                         12.501
                                                    61.818
                                                              65.616
                                                                         1.00
                                                                               80.63
MOTA
         3405
                CA
ATOM
                           В
                             217
                                         13.935
                                                    62.049
                                                              65.149
                                                                         1.00
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N. C. C.

ATOM ATOM	3407 3408	CG CD1	LEU B 217 LEU B 217	14. 13.		62.148 63.301	63.627 63.122	1.00 65.28 1.00 65.28		B B
MOTA MOTA	3409 3410	CD2 C		15. 11.	513	62.319 60.761	63.227 64.755	1.00 65.28 1.00 80.63		B
MOTA	3411 3412	0	LEU B 217	10.	972	61.058	63.922	1.00 80.63		В
MOTA MOTA	3413	N CA	LYS B 218	12.: 11.	706	59.519 58.373	64.981 64.269	1.00 92.37 1.00 92.37		B B
ATOM ATOM	3414 3415	CB CG	LYS B 218	12.: 12.:		57.110 55.867	64.829 63.972	1.00100.07		B B
ATOM	3416	CD	LYS B 218	13.0	025	54.735	64.654	1.00100.07		В
ATOM ATOM	3417 3418	CE NZ	LYS B 218	12.7 13.4		53.374 52.274	64.007 64.806	1.00100.07 1.00100.07		B B
ATOM ATOM	3419 3420	C O	LYS B 218	10.1	199 414	58.376 58.637	64.522 63.612	1.00 92.37 1.00 92.37		B B
ATOM	3421 3422	N CA	GLU B 219 GLU B 219	9.8	801	58.133	65.769	1.00 79.01		В
ATOM ATOM	3423	CB	GLU B 219	8.3	386 196	58.099 57.858	66.113 67.612	1.00 79.01 1.00100.07		B B
ATOM ATOM	3424 3425	CG CD	GLU B 219 GLU B 219		450 105	59.058 58.780	68.500 69.964	1.00100.07		B B
MOTA MOTA	3426 3427	OE1 OE2	GLU B 219 GLU B 219		764 172	57.912 59.423	70.583	1.00100.07		В
ATOM	3428	С	GLU B 219	7.6	631	59.345	70.497 65.689	1.00100.07 1.00 79.01		B B
MOTA MOTA	3429 3430	O N	GLU B 219 HIS B 220		407 357	59.329 60.424	65.600 65.426	1.00 79.01 1.00 99.82		B B
ATOM ATOM	3431 3432	CA CB	HIS B 220 HIS B 220	7.7	730 526	61.662 62.848	64.990 65.334	1.00 99.82		B B
ATOM	3433	CG	HIS B 220	8.3	309	63.475	66.654	1.00 99.10		В
ATOM ATOM	3434 3435		HIS B 220	8.8 7.3	313 335	63.255 64.441	67.890 66.806	1.00 99.10 1.00 99.10		B
ATOM ATOM	3436 3437		HIS B 220 HIS B 220	7.2 8.1		64.789 64.083	68.079 68.757	1.00 99.10		B B
ATOM	3438	С	HIS B 220	7.4	164	61.605	63.493	1.00 99.82		В
ATOM ATOM	3439 3440	N	HIS B 220 LEU B 221	6.3 8.4		61.984 61.120	63.032 62.733	1.00 99.82 1.00 59.35		B B
MOTA MOTA	3441 3442	CA CB	LEU B 221 LEU B 221	8.2 9.4		61.021 60.320	61.287 60.672	1.00 59.35 1.00 41.22		B B
MOTA	3443	CG	LEU B 221	10.7	769	61.140	60.790	1.00 41.22		В
MOTA MOTA	3444 3445		LEU B 221 LEU B 221	11.9 11.0		60.247 61.856	61.184 59.475	1.00 41.22 1.00 41.22		B B
MOTA MOTA	3446 3447	C O	LEU B 221 LEU B 221	7.0 6.3		60.239 60.510	60.998 60.016	1.00 59.35 1.00 59.35		B B
ATOM	3448	N	ASN B 222	6.7	704	59.278	61.868	1.00 72.61		В
ATOM ATOM	3449 3450	CA CB	ASN B 222 ASN B 222	5.5 5.1		58.457 57.790	61.727 63.046	1.00 72.61 1.00 98.73		B B
ATOM ATOM	3451 3452	CG OD1	ASN B 222 ASN B 222	6.2 6.1		57.075 56.492	63.686 64.762	1.00 98.73 1.00 98.73		B B
ATOM	3453	ND2	ASN B 222	7.4	128	57.106	63.035	1.00 98.73		В
ATOM ATOM	3454 3455	С 0	ASN B 222 ASN B 222	4.3 3.6	598	59.375 59.218	61.380 60.353	1.00 72.61 1.00 72.61		B B
ATOM ATOM	3456 3457	N CA	TYR B 223 TYR B 223	4.1 3.0		60.326 61.303	62.277 62.125	1.00 53.49 1.00 53.49		B B
ATOM ATOM	3458 3459	CB CG	TYR B 223 TYR B 223	3.4	101	62.584 62.418	62.879 64.376	1.00 66.70 1.00 66.70		B B
ATOM	3460	CD1	TYR B 223	4.2	271	63.383	65.115	1.00 66.70		В
ATOM ATOM	3461 3462	CE1 CD2	TYR B 223 TYR B 223	4.4 3.0		63.244 61.301	66.485 65.055	1.00 66.70		B B
ATOM ATOM	3463 3464	CE2	TYR B 223 TYR B 223	3.2 3.9		61.153 62.129	66.432 67.137	1.00 66.70 1.00 66.70		B B
MOTA	3465	OH	TYR B 223	4.2	217	61.983	68.486	1.00 66.70	-	В
MOTA MOTA	3466 3467	c o	TYR B 223 TYR B 223	2.7 1.6	506	61.636 61.907	60.667 60.308	1.00 53.49 1.00 53.49		B B
MOTA MOTA	3468 3469	N CA	PHE B 224 PHE B 224	3.7 3.6		61.634 61.904	59.837 58.410	1.00 66.70 1.00 66.70		B B
MOTA MOTA	3470 3471	CB CG	PHE B 224 PHE B 224	4.9 5.6	70	62.275 63.448	57.738 58.376	1.00 53.82 1.00 53.82		B B
MOTA	3472	CD1	PHE B 224	6.4	131	63.281	59.556	1.00 53.82		В
ATOM ATOM	3473 3474	CD2 CE1	PHE B 224 PHE B 224	5.6 7.1		64.714 64.352	57.787 60.130	1.00 53.82 1.00 53.82		B B
ATOM ATOM	3475 3476	CE2 CZ	PHE B 224 PHE B 224	6.3 7.0		65.791 65.609	58.362 59.532	1.00 53.82 1.00 53.82		B B
MOTA	3477	С	PHE B 224	3.0	99	60.619	57.796	1.00 66.70		В
ATOM ATOM	3478 3479	O N	PHE B 224 ALA B 225	3.7 1.8	881	59.953 60.271	57.006 58.194	1.00 66.70 1.00 79.03		B B
ATOM ATOM	3480 3481	CA CB	ALA B 225 ALA B 225	1.1 1.3		59.079 57.950	57.716 58.720	1.00 79.03 1.00 49.79		B
ATOM	3482	C	ALA B 225 ALA B 225	~0.2 ~0.7	68	59.455	57.571	1.00 79.03		В
ATOM	3483 3484	N O	ASN B 226	-0.9	30	60.238 58.904	58.364 56.559	1.00 79.03 1.00 83.64		B
ATOM ATOM	3485 3486	CA CB	ASN B 226 ASN B 226	-2.3 -3.2		59.185 58.265	56.311 57.158	1.00 83.64		B B
ATOM ATOM	3487 3488	CG	ASN B 226 ASN B 226	-2.6 -1.8	20	57.949 56.994	58.496 58.624	1.00100.07		В
MOTA	3489	ND2	ASN B 226	-2.9	34	58.761	59.504	1.00100.07		B
MOTA	3490	C	ASN B 226	-2.7	38	60.638	56.556	1.00 83.64		В

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-2.819
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61.373
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55.469
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1.00 99.93
                         PRO B 227
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                    N
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ATOM
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                         PRO B 227
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                         PRO B 227
PRO B 227
PRO B 227
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55.193
55.106
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GLU B 228
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ATOM
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ATOM
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GLU B 228
GLU B 228
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ATOM
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C GLU B 228
O GLU B 228
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1.00 94.63
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ALA B 229
ALA B 229
ALA B 230
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67.519
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ATOM
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69.333
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52.148
50.286
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1.00 52.60
ATOM
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                    С
ATOM
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ATOM
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MOTA
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-9.093
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49.541
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ATOM
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ATOM
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72.376
71.649
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46.712
45.999
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MOTA
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3521
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1.00 99.41
                   C
MOTA
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31.752
29.585
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MOTA
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ILE C
ILE C
ILE C
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99.650
99.940
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31.495
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1.00 93.79
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                         ILE C
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LYS C
LYS C
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CB
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37.447
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MOTA
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LYS C
MOTA
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1.00 44.10
                         LYS C
MOTA
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ARG C
ARG C
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1.00 69.39
1.00100.07
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ARG C
ARG C
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NH2 ARG C
C ARG C
O ARG C
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PHE C
PHE C
PHE C
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CE2 PHE C
CZ PHE C
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39.656
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GLY C
GLY C
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17.999 111.262
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34.786
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АТОМ
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ARG C
ARG C
ARG C
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CG ARG C
CD ARG C
NE ARG C
CZ ARG C
NH1 ARG C 1.00100.07 ATOM 3594 10 3595 10 1.00100.07 ATOM 23.926 23.233 23.693 1.00100.07 1.00100.07 1.00100.07 10 10 ATOM 3596 3597 ATOM 10 ATOM 3598 3599 NH2 ARG C 10 22.080 1.00100.07 ATOM ARG C ATOM 3600 10 20.530 115.345 25.701 1.00 99.59 20.530 115.345 20.543 114.831 20.709 116.644 20.938 117.651 21.781 118.774 22.184 119.942 22.520 121.210 ARG C GLU C GLU C ATOM 3601 0 10 24.577 1.00 99.59 11 11 11 25.921 24.886 25.511 1.00 95.59 1.00 95.59 1.00100.07 3602 3603 ATOM N CA ATOM ATOM CB GLU C 3604 MOTA 3605 CG GLU C 11 24.628 1.00100.07 CG GLU C
CD GLU C
OE1 GLU C
C GLU C
O GLU C 25.446 26.608 ATOM 3606 11 1.00100.07 22.983 121.095 22.320 122.331 21.563 117.139 MOTA 3607 11 1.00100.07 3608 11 11 24.924 23.587 1.00100.07 1.00 95.59 ATOM 3609 ATOM 11 21.159 117.543 22.499 1.00 95.59 MOTA 3610 VAL C VAL C VAL C 12 12 12 22.512 116.218 23.217 115.671 24.625 116.262 23.702 22.550 22.499 MOTA 3611 N 1.00 56.92 CA CB 1.00 56.92 1.00 43.85 ATOM 3612 ATOM 3613 VAL C ATOM 3614 CG1 12 25.498 115.474 21.577 1.00 43.85 3615 CG2 12 24.546 117.685 22.058 1.00 43.85 ATOM CG2 VAL C
C VAL C
O VAL C
N ILE C
CA ILE C
CB ILE C
CG2 ILE C
CG1 ILE C 23.328 114.146 23.437 113.518 23.300 113.553 12 12 13 22.545 23.598 21.355 1.00 56.92 1.00 56.92 ATOM 3616 3617 ATOM 3618 1.00 99.52 ATOM ATOM 3619 23.432 112.108 21.241 1.00 99.52 23.132 111.590 22.625 110.156 22.054 112.449 19.820 19.893 19.155 1.00100.07 1.00100.07 1.00100.07 ATOM 3620 13 13 13 ATOM 3621 3622 ATOM 18.488 21.544 ATOM 3623 CD ILE C 13 22.575 113.725 1.00100.07 24.894 111.855 25.757 112.650 25.200 110.736 24.342 109.569 26.593 110.446 1.00100.07 1.00 99.52 1.00100.07 1.00100.07 ILE C 3624 ATOM ILE C PRO C PRO C PRO C 13 14 14 ATOM 3625 0 21.163 22.227 22.493 N ATOM 3626 MOTA 3627 CD ATOM 3628 CA 14 22.556 1.00100.07 PRO C 14 PRO C 14 PRO C 14 PRO C 14 PRO C 15 LEU C 15 LEU C 15 26.490 109.130 25.350 108.445 27.476 110.327 28.511 109.674 1.00100.07 ATOM 3629 CB 23.332 22.665 21.320 21.365 CG ATOM 3630 č 1.00100.07 MOTA 3631 MOTA 3632 1.00100.07 27.078 110.958 1.00 99.37 1.00 99.37 1.00100.07 MOTA 3633 N 20.219 27.881 110.878 29.251 111.501 30.244 111.561 19.005 19.246 MOTA 3634 CA 3635 CB ATOM ATOM 3636 CG LEU C 15 18.075 1.00100.07 CD1 LEU C 15 29.893 112.702 17.119 1.00100.07 ATOM 3637 LEU C 15 15 15 31.651 111.754 28.070 109.407 29.199 108.923 ATOM 3638 CD2 18.636 1.00100.07 18.699 18.664 ATOM ATOM 1.00 99.37 1.00 99.37 3639 0 3640 PRO C PRO C PRO C PRO C 26.971 108.679 25.660 109.213 27.061 107.240 25.775 106.966 24.841 107.955 ATOM 3641 N 16 18.437 1.00100.07 ATOM 3642 CD 16 18.031 1.00100.07 18.140 17.360 17.909 17.406 17.681 1.00100.07 1.00100.07 1.00100.07 ATOM 3643 CA CB 16 16 ATOM 3644 PRO C PRO C ATOM 16 3645 CG 28.302 106.699 28.760 105.584 28.854 107.471 28.398 108.764 16 1.00100.07 ATOM 3646 PRO C PRO C PRO C 16 17 17 ō ATOM 3647 1.00100.07 16.450 15.935 N 1.00 99.96 ATOM 3648 1.00 64.04 ATOM 3649 CD ATOM 3650 CA PRO C 30.028 107.035 15.703 1.00 99.96 PRO C 17 30.477 108.311 14.983 1.00 64.04 MOTA 3651 PRO C PRO C PRO C 17 17 17 MOTA 3652 29.696 109.415 15.628 1.00 64.04 31.161 106.357 31.907 105.604 16.457 15.853 ATOM 3653 0 1.00 99.96 1.00 99.96 3654 ATOM LEU C 31.301 106.626 17.752 ATOM 3655 18 1.00 50.16 N LEU C 32.350 106.007 31.787 104.823 1.00 ATOM 3656 CA 18 18.582 3657 CB 19.361 1.00 59.86 ATOM ATOM 3658 CG LEU C 18 30.732 105.193 20,405 1.00 59.86

ATOM 3659 CD1 LEU C 30.211 103.942 21.081 1.00 59.86 31.331 106.124 ATOM 3660 CD2 LEU C 21.437 1.00 59.86 MOTA 3661 LEU C 18 33.578 105.557 17.810 1.00 50.16 LEU C ATOM 3662 0 18 34.634 106.132 17.970 1.00 ATOM 3663 N THR C 19 33.466 104.514 16.996 1.00 32.85 3664 THR C 19 34.601 104.091 ATOM CA 16.188 C 1.00 32.85 MOTA 3665 CB THR C 34.215 103.051 15.154 1.00 36.99 32.891 102.580 35.177 101.885 35.015 105.327 36.025 105.339 MOTA 3666 OG1 THR C 19 1.00 36.99 15.411 ATOM 3667 CG2 THR C 19 15.207 1.00 36.99 19 ATOM 3668 15.417 1.00 32.85 THR C 19 14.725 ATOM 3669 0 1.00 32.85 ATOM 3670 GLU 34.206 106.369 15.521 1.00 32.76 34.486 107.618 33.607 108.721 GLU C MOTA 3671 CA 20 14.854 1.00 32.76 ATOM 3672 CB 20 15.422 1.00100.07 33.657 110.004 33.655 111.242 GLU C АТОМ CG 3673 20 14.618 15.479 1.00100.07 GLU C 3674 CD 20 ATOM MOTA 3675 OE1 GLU C 20 33.507 112.342 14.908 1.00100.07 GTA C GTA C ATOM 3676 OE2 20 33.810 111.121 16.715 1.00100.07 35.938 108.001 36.460 108.812 36.577 107.425 ATOM 3677 C 20 15.064 1.00 32.76 20 ATOM 3678 14.316 1.00 32.76 ILE 16.085 1.00 35.52 ATOM 3679 21 16.404 17.419 ATOM 3680 CA ILE C 21 37.971 107.736 1.00 35.52 ILE C 38.569 106.773 39.876 107.347 MOTA 3681 CB 21 1.00 65.40 17.923 18.578 CG2 21 ATOM 3682 1.00 65.40 ILE C 21 37.598 106.551 ATOM 3683 CG1 1.00 65.40 1.00100.07 ILE C 37.203 107.819 ATOM 3684 CD 21 19.338 ILE C GLN C 21 21 MOTA 3685 38.802 107.632 15.160 1.00 35.52 39.426 108.604 38.803 106.432 ATOM 3686 14.729 1.00 35.52 ATOM 22 3687 N 14.597 13.376 1.00 55.89 1.00 55.89 GLN C ATOM 3688 22 39.516 106.164 CA 3689 22 40.142 104.778 13.451 1.00 99.33 ATOM MOTA 3690 CG GLN C 22 40.993 104.623 14.694 1.00 99.33 GLN C 22 22 41.568 103.237 40.839 102.250 ATOM 3691 CD 14.869 1.00 99.33 3692 ATOM OE1 14,883 1.00 99.33 C ATOM 3693 NE2 GLN C 42.886 103.157 15.016 1.00 99.33 ATOM 3694 GLN C 22 38.423 106.240 12.326 1.00 55.89 ATOM 3695 GLN C 22 37.927 107.324 12.026 1.00 55.89 ATOM 3696 VAL C 23 23 38.021 105.098 36.971 105.082 11.796 10.799 1.00 60.15 ATOM 3697 CA 1.00 60.15 0000000 11.433 10.355 VAL C 35.585 105.203 1.00 77.73 MOTA 3698 CB23 CG1 ATOM 3699 VAL C 23 34.519 105.126 1.00 77.73 3700 3701 VAL C 23 23 35.386 104.111 37.148 106.268 MOTA CG2 12.448 1.00 77.73 1.00 60.15 ATOM C 9.889 3702 VAL C 37.848 106.183 ATOM 23 8.887 1.00 60.15 GTA C GTA C 3703 36.520 107.380 10.262 1.00 ATOM 55.50 3704 3705 MOTA CA 24 36.583 108.605 9.476 1.00 55.50 24 MOTA CB 35.516 109.589 9.954 1.00 99.93 CCC GLU C 34.191 109.379 9.248 1.00 99.93 ATOM 3706 CG 24 3707 CD GLU C 33.005 109.889 10.034 1.00 99.93 ATOM 3708 3709 OE1 GLU C OE2 GLU C ATOM 24 32.655 109.287 11.070 1.00 99.93 С 32.415 110.899 37.954 109.256 2.4 9.612 9.437 1.00 99.93 1.00 55.50 ATOM MOTA 3710 GLU C 24 3711 GLU C 24 38.154 110.262 8.748 MOTA 1.00 55.50 ATOM 3712 3713 SER C 25 38.898 108.675 10.170 1.00 42.32 25 40.260 109.177 41.079 108.583 ATOM CA 10.159 1.00 42.32 SER C MOTA 3714 CB 25 1.00 98.36 11.304 ŌĞ SER C 40.465 108.848 12.545 1.00 98.36 MOTA MOTA 3716 SER C 25 40.798 108.663 8.840 1.00 42.32 SER C ATOM 3717 0 25 40.875 109.392 41.145 107.384 7.861 1.00 42.32 1.00 75.16 ATOM 3718 N 26 8.816 C ATOM 3719 TYR C 41.678 106.783 1.00 7.611 75.16 ATOM 3720 CB TYR C 26 41.438 105.282 7.618 1.00100.07 3721 3722 CG TYR C 26 26 42.516 104.534 43.832 104.630 MOTA 6.899 1.00100.07 1.00100.07 ATOM 7.321 26 3723 TYR C 44.845 103.972 ATOM CE1 6.663 С CD2 TYR C CE2 TYR C CZ TYR C ATOM 3724 26 42.236 103.751 1.00100.07 5.786 26 26 MOTA 3725 43.250 103.080 5.116 1.00100.07 3726 44.555 103.202 ATOM 1.00100.07 C 5.565 TYR C 45.588 102.560 1.00100.07 ATOM 3727 ОН 26 4.935 3728 TYR C 41.002 107.397 6.395 1.00 75.16 ATOM 26 TYR C LYS C ATOM 3729 26 41.646 108.057 5.580 1.00 75.16 3730 27 1.00 67.08 1.00 67.08 MOTA N 39.691 107.190 6.305 LYS C ATOM 3731 CA 27 38.881 107.683 5,194 ATOM 3732 СВ LYS C 37.415 107.691 5.594 1.00100.07 ATOM 3733 CG LYS C 27 36.458 107.978 4.472 1.00100.07 ATOM 3734 CD LYS C 35.049 107.654 4.925 1.00100.07 3735 27 ATOM CE LYS C 34.041 107.911 3.830 1.00100.07 LYS C MOTA 3736 NZ 27 32.669 107.557 4.281 1.00100.07 4.733 3737 39.282 109.070 1.00 67.08 ATOM 3.551 ATOM 3738 LYS C 27 39.199 109.383 1.00 67.08 3739 3740 LYS C ATOM N 28 39.695 109.893 5.692 1.00 59.84 28 40.134 111.261 40.065 112.147 1.00 59.84 MOTA CA 5.412 LYS C 28 ATOM 3741 CB 6.671 28 38.706 112.797 1.00100.07 ATOM 3742 6.947

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ATOM 3800 CB PRO C 36 41.781 112.359 -8.924 1.00 99.99 C ATOM 3801 CG PRO C 36 40.775 112.169 -10.027 1.00 99.99 C ATOM 3802 C PRO C 36 41.413 114.817 -8.511 1.00 61.53 C ATOM 3803 O PRO C 36 42.157 115.010 -9.461 1.00 61.53 C ATOM 3804 N GLU C 37 40.845 115.804 -7.826 1.00 98.76 C ATOM 3805 CA GLU C 37 41.050 117.192 -8.205 1.00 98.76 C ATOM 3806 CB GLU C 37 40.113 117.549 -9.354 1.00 99.98 C ATOM 3808 CD GLU C 37 39.001 116.546 -9.533 1.00 99.98 C ATOM 3808 CD GLU C 37 39.001 116.546 -9.533 1.00 99.98 C ATOM 3809 OE1 GLU C 37 37.466 117.951 -10.639 1.00 99.98 C ATOM 3810 OE2 GLU C 37 38.086 116.097 -11.649 1.00 99.98 C ATOM 3811 C GLU C 37 40.791 118.120 -7.035 1.00 99.98 C ATOM 3812 O GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3812 O GLU C 37 40.792 118.120 -7.035 1.00 98.76 C	ATOM 3800 CB PRO C 36 41.781 112.359 -8.924 1.00 99.99 C ATOM 3801 CG PRO C 36 40.775 112.169 -10.027 1.00 99.99 C ATOM 3802 C PRO C 36 41.413 114.817 -8.511 1.00 61.53 C ATOM 3803 O PRO C 36 42.157 115.010 -9.461 1.00 61.53 C ATOM 3805 CA GLU C 37 40.845 115.804 -7.826 1.00 98.76 C ATOM 3806 CB GLU C 37 41.050 117.192 -8.205 1.00 98.76 C ATOM 3807 CG GLU C 37 40.113 117.549 -9.354 1.00 99.98 C ATOM 3808 CD GLU C 37 39.001 116.546 -9.533 1.00 99.98 C ATOM 3809 OE1 GLU C 37 39.001 116.546 -9.533 1.00 99.98 C ATOM 3809 OE2 GLU C 37 38.120 116.890 -10.691 1.00 99.98 C ATOM 3810 OE2 GLU C 37 38.086 116.097 -11.649 1.00 99.98 C ATOM 3811 C GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3812 O GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3813 N LYS C 38 40.551 117.558 -5.849 1.00 70.78 C ATOM 3814 CA LYS C 38 40.376 118.297 -4.632 1.00100.07 C ATOM 3815 CB LYS C 38 38.906 118.799 -4.632 1.00100.07 C	ATOM 3800 CB PRO C 36 41.781 112.359 -8.924 1.00 99.99 C ATOM 3801 CG PRO C 36 40.775 112.169 -10.027 1.00 99.99 C ATOM 3803 O PRO C 36 41.413 114.817 -8.511 1.00 61.53 C ATOM 3803 O PRO C 36 42.157 115.010 -9.461 1.00 61.53 C ATOM 3804 N GLU C 37 40.845 115.804 -7.826 1.00 98.76 C ATOM 3805 CA GLU C 37 41.050 117.192 -8.205 1.00 98.76 C ATOM 3806 CB GLU C 37 40.113 117.549 -9.354 1.00 99.98 C ATOM 3807 CG GLU C 37 39.001 116.546 -9.533 1.00 99.98 C ATOM 3808 CD GLU C 37 39.001 116.546 -9.533 1.00 99.98 C ATOM 3808 CD GLU C 37 38.120 116.890 -10.691 1.00 99.98 C ATOM 3810 OE2 GLU C 37 37.466 117.951 -10.639 1.00 99.98 C ATOM 3811 C GLU C 37 38.086 116.097 -11.649 1.00 99.98 C ATOM 3811 C GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3813 N LYS C 38 40.792 119.337 -7.204 1.00 98.76 C ATOM 3814 CA LYS C 38 40.651 117.558 -5.849 1.00 70.78 C ATOM 3815 CB LYS C 38 38.906 118.297 -4.638 1.00 70.78 C ATOM 3817 CD LYS C 38 38.554 119.782 -5.696 1.00100.07 C ATOM 3818 CE LYS C 38 38.554 119.782 -5.696 1.00100.07 C ATOM 3819 NZ LYS C 38 35.255 120.027 -5.825 1.00100.07 C ATOM 3819 NZ LYS C 38 35.955 121.278 -7.073 1.00100.07 C ATOM 3819 NZ LYS C 38 35.955 121.278 -7.073 1.00100.07 C ATOM 3819 NZ LYS C 38 35.955 121.278 -7.073 1.00100.07 C ATOM 3819 NZ LYS C 38 35.955 121.278 -7.073 1.00100.07 C ATOM 3819 NZ LYS C 38 35.955 121.278 -7.073 1.00100.07 C ATOM 3820 C LYS C 38 35.995 121.278 -7.073 1.00100.07 C ATOM 3821 O LYS C 38 39.973 116.489 -3.132 1.00 70.78 C	MOTA ATOM MOTA	3796 3797 3798	O PRO C N PRO C CD PRO C	35 36 36	38.993 39.690 39.478	114.627 113.075 112.085	-6.707 -8.187 -9.256	1.00 40.20 1.00 61.53 1.00 99.99	0 0 0
ATOM 3805 CA GLU C 37 41.050 117.192 -8.205 1.00 98.76 C ATOM 3806 CB GLU C 37 40.113 117.549 -9.534 1.00 99.98 C ATOM 3807 CG GLU C 37 39.001 116.546 -9.533 1.00 99.98 C ATOM 3808 CD GLU C 37 38.120 116.890 -10.691 1.00 99.98 C ATOM 3809 OE1 GLU C 37 37.466 117.951 -10.639 1.00 99.98 C ATOM 3810 OE2 GLU C 37 38.086 116.097 -11.649 1.00 99.98 C ATOM 3811 C GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3812 O GLU C 37 40.722 119.337 -7.204 1.00 98.76 C	ATOM 3805 CA GLU C 37 41.050 117.192 -8.205 1.00 98.76 C ATOM 3806 CB GLU C 37 40.113 117.549 -9.354 1.00 99.98 C ATOM 3807 CG GLU C 37 39.001 116.546 -9.533 1.00 99.98 C ATOM 3808 CD GLU C 37 38.120 116.890 -10.691 1.00 99.98 C ATOM 3809 OE1 GLU C 37 37.466 117.951 -10.639 1.00 99.98 C ATOM 3810 OE2 GLU C 37 38.086 116.097 -11.649 1.00 99.98 C ATOM 3811 C GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3812 O GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3813 N LYS C 38 40.651 117.538 -5.849 1.00 70.78 C ATOM 3814 CA LYS C 38 40.376 118.749 -4.632 1.00100.07 C ATOM 3815 CB LYS C 38 38.906 118.749 -4.632 1.00100.07 C	ATOM 3805 CA GLU C 37 41.050 117.192 -8.205 1.00 98.76 C ATOM 3806 CB GLU C 37 40.113 117.549 -9.533 1.00 99.98 C ATOM 3807 CG GLU C 37 39.001 116.546 -9.533 1.00 99.98 C ATOM 3808 CD GLU C 37 38.120 116.890 -10.691 1.00 99.98 C ATOM 3810 OE2 GLU C 37 37.466 117.951 -10.639 1.00 99.98 C ATOM 3811 C GLU C 37 38.086 116.097 -11.649 1.00 99.98 C ATOM 3812 O GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3813 N LYS C 38 40.651 117.538 -5.849 1.00 70.78 C ATOM 3814 CA LYS C 38 40.376 118.297 -4.638 1.00 70.78 C ATOM 3815 CB LYS C 38 40.376 118.297 -4.638 1.00 70.78 C ATOM 3816 CG LYS C 38 38.906 118.749 -4.632 1.00100.07 C ATOM 3817 CD LYS C 38 37.056 120.027 -5.825 1.00100.07 C ATOM 3818 CE LYS C 38 36.763 121.178 -6.788 1.00100.07 C ATOM 3819 NZ LYS C 38 35.295 121.278 -7.073 1.00100.07 C ATOM 3820 C LYS C 38 35.295 121.278 -7.073 1.00100.07 C ATOM 3821 O LYS C 38 39.973 116.489 -3.132 1.00 70.78 C	ATOM ATOM ATOM ATOM	3800 3801 3802 3803	CB PRO C CG PRO C C PRO C O PRO C	36 36 36 36	41.781 40.775 41.413 42.157	112.359 112.169 114.817 115.010	-8.924 -10.027 -8.511 -9.461	1.00 99.99 1.00 99.99 1.00 61.53 1.00 61.53	- c c
ATOM 3809 OE1 GLU C 37 37.466 117.951 -10.639 1.00 99.98 C ATOM 3810 OE2 GLU C 37 38.086 116.097 -11.649 1.00 99.98 C ATOM 3811 C GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3812 O GLU C 37 40.722 119.337 -7.204 1.00 98.76 C	ATOM 3809 OE1 GLU C 37 37.466 117.951 -10.639 1.00 99.98 C ATOM 3810 OE2 GLU C 37 38.086 116.097 -11.649 1.00 99.98 C ATOM 3811 C GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3812 O GLU C 37 40.792 119.337 -7.204 1.00 98.76 C ATOM 3813 N LYS C 38 40.651 117.538 -5.849 1.00 70.78 C ATOM 3814 CA LYS C 38 40.651 117.538 -5.849 1.00 70.78 C ATOM 3815 CB LYS C 38 38.906 118.749 -4.632 1.00100.07 C ATOM 3816 CG LYS C 38 38.554 119.782 -5.696 1.00100.07 C	ATOM 3809 OE1 GLU C 37 37.466 117.951 -10.639 1.00 99.98 C ATOM 3810 OE2 GLU C 37 38.086 116.097 -11.649 1.00 99.98 C ATOM 3811 C GLU C 37 40.791 118.120 -7.035 1.00 98.76 C ATOM 3812 O GLU C 37 40.722 119.337 -7.204 1.00 98.76 C ATOM 3813 N LYS C 38 40.651 117.538 -5.849 1.00 70.78 C ATOM 3814 CA LYS C 38 40.376 118.297 -4.638 1.00 70.78 C ATOM 3815 CB LYS C 38 38.906 118.749 -4.632 1.00100.07 C ATOM 3816 CG LYS C 38 38.554 119.782 -5.696 1.00100.07 C ATOM 3817 CD LYS C 38 37.056 120.027 -5.825 1.00100.07 C ATOM 3818 CE LYS C 38 36.763 121.178 -6.788 1.00100.07 C ATOM 3819 NZ LYS C 38 35.295 121.278 -7.073 1.00100.07 C ATOM 3820 C LYS C 38 35.295 121.278 -7.073 1.00100.07 C ATOM 3821 O LYS C 38 39.973 116.489 -3.132 1.00 70.78 C	ATOM ATOM ATOM	3805 3806 3807	CA GLU C CB GLU C CG GLU C	37 37 37	41.050 40.113 39.001	117.192 117.549 116.546	-8.205 -9.354 -9.533	1.00 98.76 1.00 99.98 1.00 99.98	с С
	ATOM 3814 CA LYS C 38 40.376 118.297 -4.638 1.00 70.78 C ATOM 3815 CB LYS C 38 38.906 118.749 -4.632 1.00100.07 C ATOM 3816 CG LYS C 38 38.554 119.782 -5.696 1.00100.07 C	ATOM 3814 CA LYS C 38 40.376 118.297 -4.638 1.00 70.78 C ATOM 3815 CB LYS C 38 38.906 118.749 -4.632 1.00100.07 C ATOM 3816 CG LYS C 38 38.554 119.782 -5.696 1.00100.07 C ATOM 3817 CD LYS C 38 37.056 120.027 -5.825 1.00100.07 C ATOM 3818 CE LYS C 38 36.763 121.178 -6.788 1.00100.07 C ATOM 3819 NZ LYS C 38 35.295 121.278 -7.073 1.00100.07 C ATOM 3820 C LYS C 38 40.667 117.469 -3.401 1.00 70.78 C ATOM 3821 O LYS C 38 39.973 116.489 -3.132 1.00 70.78 C	ATOM ATOM ATOM ATOM	3809 3810 3811 3812	OE1 GLU C OE2 GLU C C GLU C O GLU C	37 37 37 37	37.466 38.086 40.791 40.722	117.951 116.097 118.120 119.337	-10.639 -11.649 -7.035 -7.204	1.00 99.98 1.00 99.98 1.00 98.76 1.00 98.76	0 0 0

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	ATOM	3827	N GLU C	40	44.004 117.062	0.074	1.00 81.94	С
1 . ·	ATOM	3828	CA GLU C	40	45.366 117.233	0.587	1.00 81.94	С
	MOTA	3829	CB GLU C	40	45.814 118.684	0.455	1.00100.07	С
•	ATOM	3830	CG GLU C	40	44.826 119.635	1.114	1.00100.07	С
	ATOM	3831	CD GLU C	40				
•					45.454 120.949	1.573	1.00100.07	С
	ATOM	3832	OE1 GLU C	40	45.907 121.737	0.714	1.00100.07	С
	ATOM	3833	OE2 GLU C	40	45.491 121.204	2.799		C
							1.00100.07	
	ATOM	3834	C GLU C	40	45.323 116.859	2.067	1.00 81.94	C
	MOTA	3835	O GLU C	40	46.356 116.673	2.708	1.00 81.94	C
	ATOM	3836	N ASN C	41	44.105 116.769	2.597	1.00 99.27	C
	ATOM	3837	CA ASN C	41	43.874 116.422	4.001	1.00 99.27	С
. •	ATOM	3838	CB ASN C	41	42.415 115.967	4.210	1.00100.07	C
	ATOM	3839	CG ASN C	41	41.398 117.093	3.998	1.00100.07	C
	MOTA	3840	OD1 ASN C	41	41.190 117.943	4.873	1.00100.07	С
	ATOM	3841	ND2 ASN C	41	40.754 117.095	2.831	1.00100.07	С
	ATOM	3842	C ASN C	41	44.834 115.315	4.437	1.00 99.27	C
the state of the s	ATOM	3843	O ASN C	41	44.878 114.246	3.817	1.00 99.27	C
	MOTA	3844	N VAL C	42				
					45.593 115.580	5.504	1.00100.07	C
	ATOM	3845	CA VAL C	42	46.580 114.640	6.035	1.00100.07	С
	ATOM	3846	CB VAL C	42	45.904 113.475	6.763		č
							1.00 76.43	
	ATOM	3847	CG1 VAL C	42	46.951 112.652	7.502	1.00 76.43	C
	MOTA	3848	CG2 VAL C	42	44.876 114.012	7.729	1.00 76.43	Ċ
	MOTA	3849	C VAL C	42	47.472 114.103	4.911	1.00100.07	C
	ATOM	3850	O VAL C	42	48.464 113.420	5.156	1.00100.07	С
	ATOM	3851	N GLY C	43	47.078 114.408	3.678	1.00100.07	C
	ATOM	3852	CA GLY C	43	47.831 114.037	2.500	1.00100.07	C
	ATOM	3853	C GLY C	43	48.117 112.624	2.045	1.00100.07	С
	MOTA	3854	O GLY C	43	49.272 112.325	1.723	1.00100.07	С
345	ATOM	3855		44	47.113 111.750	1.995	1.00 69.51	С
em ²	ATOM	3856	CA ILE C	44	47.371 110.402	1.483	1.00 69.51	С
MACON -	ATOM	3857	CB ILE C	44	46.064 109.560			
3000. 3 3000. 3 3000.						1.304	1.00100.02	C
2.00	ATOM	3858	CG2 ILE C	44	45.539 109.670	-0.132	1.00100.02	С
1_1	ATOM	3859	CG1 ILE C	44	46.323 108.087	1.627	1.00100.02	С

#	ATOM	3860	CD ILE C	44	47.299 107.415	0.709	1.00100.07	С
a Pari	ATOM	3861	C ILE C	44	47.870 110.798	0.109	1.00 69.51	С
II I								
1 1	ATOM	3862	O ILE C	44	48.617 110.069	-0.549	1.00 69.51	С
t. E	MOTA	3863	N GLN C	45	47.414 111.994	-0.277	1.00 86.09	C
145								
	ATOM	3864	CA GLN C	45	47.715 112.635	-1.544	1.00 86.09	C
w.E.	ATOM	3865	CB GLN C	45	46.484 113.385	-2.064	1.00100.07	С
•								
Character 1 of Edgest	ATOM	3866	CG GLN C	45	46.638 113.864	-3.492	1.00100.07	С
1 diges	MOTA	3867	CD GLN C	45	45.850 115.117	-3.778	1.00100.07	С
12 -	MOTA	3868	OE1 GLN C	45	46.128 116.183	-3.224	1.00100.07	С
2 100	ATOM	3869	NE2 GLN C	45	44.864 114.998	-4.649	1.00100.07	C
	ATOM	3870	C GLN C	45	48.868 113.623	-1.419	1.00 86.09	C
1110 2								
	ATOM	3871	O GLN C	45	49.804 113.599	-2.222	1.00 86.09	C
1 100	ATOM	3872	N ALA C	46	48.801 114.499	-0.422	1.00 99.82	C
4 200								
1	ATOM	3873	CA ALA C	46	49.862 115.473	-0.261	1.00 99.82	C
	MOTA	3874	CB ALA C	46	49.792 116.140	1.096	1.00100.07	C
الميا الم								
1000	ATOM	3875	C ALA C	46	51.158 114.726	-0.406	1.00 99.82	С
- 1 TANK	ATOM	3876	O ALA C	46	51.988 115.092	-1.226	1.00 99.82	C
anda"	ATOM	3877	N ALA C	47	51.314 113.664	0.380	1.00 56.81	С
*	MOTA	3878	CA ALA C	47	52.527 112.846	0.341	1.00 56.81	C
		3879	CB ALA C	47	52.207 111.423	0.808	1.00 69.85	
	MOTA							C
	ATOM	3880	C ALA C	47	53.126 112.834	~1.077	1.00 56.81	С
	ATOM	3881	O ALA C	47	54.343 112.959	-1.267	1.00 56.81	C
	ATOM	3882	N PHE C	48	52.264 112.685	-2.074	1.00 97.93	C
	MOTA	3883	CA PHE C	48	52.714 112.707	-3.447	1.00 97.93	C
	MOTA	3884	CB PHE C	48	51.545 112.430	-4.390	1.00 99.49	C
	ATOM	3885	CG PHE C	48	51.143 110.988	-4.446	1.00 99.49	C
	ATOM	3886	CD1 PHE C	48	51.027 110.241	-3.285	1.00 99.49	- c
	ATOM	3887	CD2 PHE C	48	50.883 110.375	-5.662	1.00 99.49	č
	MOTA	3888	CE1 PHE C	48	50.661 108.908	-3.332	1.00 99.49	С
46 °	MOTA	3889	CE2 PHE C	48	50.517 109.041	-5.716	1.00 99.49	C
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*.	ATOM	3890	CZ PHE C	48	50.406 108.307	-4.548	1.00 99.49	C
	ATOM	3891	C PHE C	48	53.200 114.128	-3.616	1.00 97.93	C
	ATOM	3892	O PHE C	48	54.404 114.375	~3.673	1.00 97.93	C
	ATOM	3893	N LYS C	49	52.256 115.066	-3.655	1.00 55.20	C
					52.605 116.466			
	ATOM	3894	CA LYS C	49		-3.817	1.00 55.20	Č
	ATOM	3895	CB LYS C	49	51.444 117.372	-3,413	1.00100.07	C
	ATOM	3896	CG LYS C	49	50.465 117.612	-4.557	1.00100.07	С
1.								
	ATOM	3897	CD LYS C	49	49.132 118.170	-4.088	1.00100.07	C
	MOTA	3898	CE LYS C	49	48.202 118.374	-5.284	1.00100.07	Ċ
	ATOM	3899	NZ LYS C	49	46.814 118.754	-4.903	1.00100.07	С
	ATOM	3900	C LYS C	49	53.821 116.719	-2.965	1.00 55.20	С
	ATOM	3901	O LYS C	49	54.805.117.274	-3.433	1.00 55.20	C
	ATOM	3902	N GLU C	50	53.777 116.254	-1.724	1.00 44.34	C
gradient and a second	ATOM	3903	CA GLU C	50	54.905 116.439	-0.815	1.00 44.34	C
	ATOM	3904	CB GLU C	50	54.722 115.640	0.488	1.00100.07	С
•								
	ATOM	3905	CG GLU C	50	53.460 115.940	1.288	1.00100.07	С
	ATOM	3906	CD GLU C	50	53.351 117.385	1.757	1.00100.07	C
	ATOM	3907	OE1 GLU C	50	53.412 118.307	0.910	1.00100.07	C
	ATOM	3908	OE2 GLU C	50	53.181 117.596	2.979	1.00100.07	Ċ
	MOTA	3909	C GLU C	50	56.220 116.020	-1.473	1.00 44.34	C
	ATOM	3910	O GLU C	50	57.013 116.875	-1.865	1.00 44.34	С
	-11 011	2210	J JHO C	20	37.343 110.073	1.000		C

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ATOM	3997	N	LEU C	64		č
MOTA	3998	CA	LEU C	64		C
ATOM	3999	CB	LEU C	64		c
MOTA	4000	CG	LEU C	64	66.507 112.380 -17.922 1.00100.07	С
MOTA	4001	CD1		64	67.912 111.798 -17.726 1.00100.07	С
MOTA	4002	CD2		64		С
MOTA	4003	C	LEU C	64		2
ATOM	4004	0	LEU C	64 65	65.121 114.385 -14.908 1.00 99.55	C
ATOM ATOM	4005 4006	N CA	VAL C	65	63.244 115.163 -15.890 1.00100.07 (62.472 115.304 -14.650 1.00100.07	0
MOTA	4007	CB	VAL C	65	62.309 116.786 -14.251 1.00100.07	Ë
MOTA	4008		VAL C	65		S
MOTA	4009	CG2	VAL C	65	63.439 117.185 -13.299 1.00100.07	
MOTA	4010	C	VAL C	65	61.079 114.671 -14.675 1.00100.07	
ATOM	4011	0	VAL C	65	60.302 114.859 -15.618 1.00100.07	
MOTA	4012	N	LEU C	66	60.769 113.947 -13.600 1.00 57.88	
MOTA	4013	CA	LEU C	66	59.485 113.276 -13.454 1.00 57.88	
ATOM ATOM	4014 4015	CB CG	LEU C	66 66	59.680 111.955 -12.699 1.00100.07 (58.465 111.064 -12.426 1.00100.07	-
ATOM	4016		LEU C	66	57.672 110.829 -13.702 1.00100.07	
ATOM	4017	CD2		66	58.949 109.741 -11.833 1.00100.07	
ATOM	4018	С	LEU C	66	58.546 114.199 -12.687 1.00 57.88	
MOTA	4019	0	LEU C	66	58.964 115.238 -12.189 1.00 57.88	
MOTA	4020	N	ASP C	67	57.273 113.840 -12.617 1.00 64.25	
MOTA	4021	CA	ASP C	67	56.315 114.654 -11.890 1.00 64.25	2
ATOM	4022	CB	ASP C	67	55.975 115.941 -12.664 1.00100.07	-
ATOM ATOM	4023 4024	CG OD1	ASP C	67 67	55.108 115.691 -13.890 1.00100.07 (55.411 114.752 -14.659 1.00100.07	Ξ,
ATOM	4025	OD2		67	54.130 116.451 -14.090 1.00100.07	
MOTA	4026	C	ASP C	67	55.074 113.829 -11.638 1.00 64.25	Š
MOTA	4027	0	ASP C	67	54.707 112.963 -12.432 1.00 64.25	2
ATOM	4028	N	PHE C	68	54.425 114.114 -10.522 1.00 66.57	2
ATOM	4029	CA	PHE C	68	53.252 113.379 -10.105 1.00 66.57	
ATOM	4030	CB	PHE C	68	53.213 113.339 -8.573 1.00100.07	
ATOM	4031	CG	PHE C	68	54.531 112.924 -7.950 1.00100.07	-
MOTA MOTA	4032 4033	CD1 CD2	PHE C	68 68	55.624 113.793 -7.936 1.00100.07 C	-
ATOM	4034	CE1	PHE C	68	56.867 113.376 -7.436 1.00100.07	
ATOM	4035	CE2	PHE C	68	55.942 111.218 -6.947 1.00100.07	
ATOM	4036	CZ	PHE C	68	57.022 112.088 -6.945 1.00100.07	2
ATOM	4037	С	PHE C	68	51.944 113.889 -10.658 1.00 66.57	2
MOTA	4038	0	PHE C	68	51.899 114.866 -11.396 1.00 66.57	2
ATOM	4039	N	LEU C	69	50.881 113.195 -10.280 1.00 95.34	-
ATOM ATOM	4040 4041	CA CB	LEU C	69 69	49.531 113.507 -10.709 1.00 95.34 (49.391 113.331 -12.216 1.00100.07	
ATOM	4042	CG	LEU C	69	49.315 114.595 -13.058 1.00100.07	
ATOM	4043	CD1		69	48.891 114.220 -14.471 1.00100.07	
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MOTA	4045	С	LEU C	69	48.583 112.538 -10.044 1.00 95.34	
MOTA	4046	0	LEU C	69	49.005 111.644 -9.309 1.00 95.34	
ATOM ATOM	4047 4048	N CA	GLU C	70 70	47.299 112.726 -10.316 1.00100.07 (46.256 111.859 -9.791 1.00100.07 (
ATOM	4049	CB	GLU C	70	45.807 110.893 -10.891 1.00100.07	
ATOM	4050	CG	GLU C	70	45,425 111.524 -12.218 1.00100.07	
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ATOM	4053	OE2	GLU C	70	43.472 110.641 -13.198 1.00100.07	
ATOM	4054 4055	C	GLU C	70 70	46.670 111.040 -8.563 1.00100.07 47.365 111.521 -7.660 1.00100.07	
ATOM ATOM	4056	N O	GLU C TYR C	71	47.365 111.521 -7.660 1.00100.07 (46.230 109.786 -8.582 1.00 75.56 (
ATOM	4057	CA	TYR C	71	46.433 108.778 -7.553 1.00 75.56	5
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MOTA	4059	CG	TYR C	71	45.178 110.178 -5.798 1.00100.07	2
ATOM	4060		TYR C	71	44.012 109.522 -5.395 1.00100.07	2
ATOM	4061	CE1	TYR C	71	42.834 110.238 -5.105 1.00100.07	-
ATOM ATOM	4062 4063	CD2 CE2	TYR C	71 71	45.144 111.570 -5.899 1.00100.07 (43.977 112.293 -5.613 1.00100.07 (-
ATOM	4064	CZ	TYR C	71	43.977 112.293 -5.613 1.00100.07 C 42.826 111.625 -5.216 1.00100.07 C	ζ.
MOTA	4065	OH	TYR C	71	41.690 112.358 -4.932 1.00100.07	:
ATOM	4066	C	TYR C	71	45.219 107.865 -7.720 1.00 75.56 C	2
ATOM	4067	0	TYR C	71	44.085 108.338 -7.858 1.00 75.56	3
ATOM	4068	N	ARG C	72	45.438 106.560 -7.753 1.00 57.59 C	2
ATOM	4069	CA	ARG C	72 72		
MOTA MOTA	4070 4071	CB	ARG C	72	43.982 105.494 -9.401 1.00100.07 (43.500 106.759 -10.104 1.00100.07 (
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ATOM	4074	cz	ARG C	72	42.475 107.665 -13.629 1.00100.07	2
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MOTA	4076		ARG C	72	42.029 108.767 -14.233 1.00100.07	:
MOTA	4077	C	ARG C	72 72	44.448 104.310 -7.257 1.00 57.59 C	
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86.167
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ATOM
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                 CD2
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ATOM
         4221
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91
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ALA C
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PRO C
PRO C
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45.096 100.046
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LYS C 103
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ATOM
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ASP C 104
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ATOM
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THR C 105
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GLU C 112
GLU C 112
GLU C 112
ATOM
           4394
                    C
O
                                                                                         1.00100.07
                                                   50.098 102.661 -15.635
49.193 104.673 -15.155
49.015 104.385 -13.757
           4395
4396
MOTA
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1.00 60.24
ATOM
                    Ν
           4397
                    CA
ATOM
                                                   48.143 103.135 -13.599
46.899 103.094 -14.486
MOTA
           4398
                    CB
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MOTA
           4399
                    CG
                           GLU C 112
                                                                                         1.00100.07
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GLU C 112
GLU C 112
GLU C 112
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46.219 105.068 -13.347
44.974 104.396 -15.030
ATOM
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                    CD
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MOTA
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                    OF.1
ATOM
           4402
                    OE2
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                    Ċ
                                                   50.340 104.145 -13.080
                                                                                         1.00 60.24
ATOM
           4403
                          GLU C 112
VAL C 113
VAL C 113
VAL C 113
VAL C 113
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51.159 103.280 -13.661
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ATOM
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53.241 104.206 -12.822
54.650 103.836 -12.419
ATOM
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                    CA
                                                                                         1.00 82.31
                                                                                         1.00100.07
           4407
                    CB
ATOM
                    CG1
                                                                                         1.00100.07
ATOM
           4408
                    CG2
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MOTA
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ATOM
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                          VAL C 113
PHE C 114
PHE C 114
PHE C 114
ATOM
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50.933 100.486 -10.606
50.599 99.042 -11.019
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1.00 52.03
1.00100.07
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ATOM
           4413
                    CA
ATOM
           4414
                    CB
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MOTA
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                      LEU C 115
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                                                                                              0000
                      LEU C 115
LEU C 115
ATOM
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54.793 101.762
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-5.993
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ATOM
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ATOM
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                 CD2
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1.00 61.19
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-3.590
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ATOM
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ATOM
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MOTA
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                      GLY C 116
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-1.472
-2.706
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HIS C 117
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CA
MOTA
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96.340
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ATOM
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ATOM
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                 CB
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                      HIS C 117
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ATOM
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47.847
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NE2 HIS C 117
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-0.418
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HIS C 117
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ATOM
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LEU C 118
LEU C 118
LEU C 118
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ATOM
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47.573
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1.592
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ATOM
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ATOM
         4448
                 CG
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MOTA
         4449
                 CD1
         4450
                 CD2
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MOTA
                      LEU C 118
LEU C 118
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45.391
                                                                         1.00 44.36
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ATOM
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                                                                                              C
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ATOM
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PRO C 119
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                                                    98.832
ATOM
                 Ν
ATOM
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MOTA
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                      PRO C 119
PRO C 119
PRO C 119
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4458
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C
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98.877
                                                                4.853 3.812
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1.00 33.57
MOTA
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                                          44.476
ATOM
ATOM
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                                          44.404
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LEU C 120
LEU C 120
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98.726
98.034
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CB
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2.563
ATOM
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                      LEU C 120
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ATOM
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LEU C 120
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42.148
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1.00 48.29
1.00 38.60
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4467
                 C
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97.645
ATOM
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ATOM
                 N
                      MET C 121
                                          40.609
                                                    99.277
                                                                5.407
ATOM
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         4469
                      MET C 121
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                                                    99.175
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ATOM
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MOTA
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MET C 121
MET C 121
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39.254 102.116
ATOM
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                                                                8.924
                                                                         1.00 99.86
1.00 99.86
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                 SD
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АТОМ
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                                                                         1.00 99.86
ATOM
MOTA
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                                                                6.675
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                      MET C 121
THR C 122
THR C 122
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97.582
96.977
                                                                5.894
7.475
7.472
ATOM
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                                         37.857
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                                                                                              C
                                         38.418
37.107
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1.00 51.97
ATOM
ATOM
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4477
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                 CA
ATOM
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                     THR C 122
THR C 122
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                                                                         1.00 98.89
ATOM
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36.170
ATOM
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C
                                                    96.235
98.071
                                                                9.844
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1.00 51.97
                      THR C 122
THR C 122
THR C 122
         4481
ATOM
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ATOM
         4482
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                                                    99.232
                                                                7.991
                                                                         1.00 51.97
MOTA
         4483
                 N
                      GLU C 123
                                         34.952
                                                    97.722
                                                                8.359
                                                                         1.00 43.02
ATOM
         4484
                 CA
                     GLU C 123
GLU C 123
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                                                                8.841
                                                                         1.00 43.02
         4485
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ATOM
                 CB
                                                                8.913
                      GLU C 123
                                                    97.584
                                                                         1.00100.07
ATOM
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                 CG
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                                                                7.611
                                         32.953
                 CD
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ATOM
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                                                    96.407
ATOM
         4488
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                                                    95.369
                                                                7.863
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ATOM
         4489
                 OE2
                     GLU C 123
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                                                                         1.00100.07
ATOM
         4490
                 C
                     GLU C 123
GLU C 123
                                         34.373
33.592
                                                    99.258
                                                              10.217
                                                                         1.00 43.02
1.00 43.02
                                                    99.969
                                                              10.834
ATOM
         4491
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                          C 124
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ATOM
                 N
                      ASP
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                                                              10.696
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                 CA
                      ASP C 124
ATOM
         4493
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                      ASP
ATOM
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                 CB
                           C 124
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                CG ASP C 124
OD1 ASP C 124
OD2 ASP C 124
C ASP C 124
ATOM
         4495
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ATOM
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1.00100.07
ATOM
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                                                    96,101
                                                              13.153
12.164
                                         37.553
                                                    99.255
         4498
ATOM
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ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	4499 4500 45012 4503 4504 4506 4507 4508 4510 4511 4512 4513 4514 4515 4517 4518	O N CA C O N CA CB CG CD1 CD2 CE1 CE2 CZ	GLY C C GLY C C SER C C SER C C SER C C SER C C PHE C C	124 125 125 125 126 126 126 126 126 127 127 127 127 127 127 127 127	38.246 38.082 39.519 40.209 39.708 41.356 42.125 43.449 42.388 43.047 41.875 42.066 40.895 38.522 39.441 37.318 38.241	98.064 97.916 97.514 97.784 96.856 96.434 97.167 98.352 94.931 94.420 92.779 92.134 92.076 92.902 91.192 92.848 91.134 91.966	12.042 12.434 12.599 11.310 10.221 11.426 10.255 10.226 9.437 10.253 11.157 9.092 8.329 9.114 8.783 10.184 9.505 10.912 10.568	1.00100.07 1.00100.06 1.00100.06 1.00100.06 1.00100.06 1.00 42.10 1.00 42.10 1.00 42.10 1.00 42.10 1.00 43.59 1.00 43.59 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07	000000000000000000000000000000000000000
ATOM ATOM ATOM ATOM ATOM ATOM	4519 4520 4521 4522 4523 4524	C O N CA CB CG2	PHE C ILE C ILE C ILE C ILE C	127 127 128 128 128 128	43.355 43.393 44.392 45.743 46.441 47.326	92.557 91.799 93.262 93.247 94.595 94.931	8.316 7.353 8.765 8.201 8.432 7.244	1.00 43.59 1.00 43.59 1.00 62.47 1.00 62.47 1.00 99.55 1.00 99.55	000000
ATOM ATOM ATOM ATOM ATOM	4525 4526 4527 4528 4529	CG1 CD C O N	ILE C ILE C ILE C ILE C	128 128 128 128 129	45.398 44.307 46.592 46.199 47.767	95.688 95.814 92.172 91.618 91.903	8.677 7.606 8.866 9.889 8.307	1.00 99.55 1.00100.07 1.00 62.47 1.00 62.47 1.00 40.50	0000
ATOM ATOM ATOM ATOM ATOM ATOM	4530 4531 4532 4533 4534 4535	CA CB CG2 CG1 CD	ILE C ILE C	129 129 129 129 129 129	48.634 48.634 49.187 49.425 50.894 48.070	90.854 90.807 89.462 91.975 91.681 89.509	8.840 10.375 10.837 10.955 11.206 8.395	1.00 40.50 1.00100.07 1.00100.07 1.00100.07 1.00100.07	000000
ATOM ATOM ATOM ATOM ATOM	4536 4537 4538 4539 4540	O N CA CB CG	ILE C ASN C ASN C ASN C ASN C	129 130 130 130 130	48.771 46.799 45.993 46.859 47.369	88.696 89.308 88.123 86.892 86.807	7.798 8.748 8.471 8.262 6.849	1.00 40.50 1.00 72.40 1.00 72.40 1.00100.07 1.00100.07	0000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM	4541 4542 4543 4544 4545 4546	ND2 C O N CA	ASN C ASN C GLY C GLY C	130 130 130 130 131 131	46.818 48.415 45.013 43.972 45.363 44.499	87.438 86.029 87.900 87.265 88.429 88.344	5.951 6.637 9.614 9.446 10.780 11.944	1.00100.07 1.00100.07 1.00 72.40 1.00 72.40 1.00 86.95 1.00 86.95	000000
MOTA MOTA MOTA MOTA MOTA MOTA	4547 4548 4549 4550 4551 4552	C N CA CB C	GLY C ALA C ALA C	131 131 132 132 132 132	44.131 45.017 42.842 42.398 40.893 43.195	89.787 90.612 90.109 91.483 91.487 92.180	12.247 12.455 12.265 12.511 12.835 13.630	1.00 86.95 1.00 86.95 1.00 40.44 1.00 5.07 1.00 40.44	000000
MOTA MOTA MOTA MOTA MOTA	4553 4554 4555 4556 4557 4558	O N CA CB CG	ASP C ASP C ASP C	132 133 133 133 133 133	43.742 43.278 43.986 45.476 46.090 45.994	91.517 93.514 94.315 93.952 93.891 94.891	14.507 13.571 14.583 14.614 13.238 12.496	1.00 40.44 1.00 39.16 1.00 39.16 1.00100.07 1.00100.07	,
MOTA MOTA MOTA MOTA MOTA	4559 4560 4561 4562 4563 4564		ASP C ASP C ASP C	133 133 133 134 134	46.675 43.825 43.762 43.753 43.591 42.913	92.839 95.842 96.367 96.531 97.984 98.402	12.903 14.446 13.334 15.593 15.652 16.961	1.00100.07 1.00 39.16 1.00 39.16 1.00 19.49 1.00 19.49 1.00100.07	00000
ATOM ATOM ATOM ATOM ATOM ATOM	4565 4566 4567 4568 4569	CG NE CZ NH1	ARG C ARG C ARG C ARG C ARG C	134 134 134 134 134	41.449 40.466 39.064 38.006 38.173	97.991 98.872 98.581 99.211 100.181	17.112 16.307 16.647 16.139 15.253	1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07	00000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	4570 4571 4572 4573 4574 4575 4576 4577	C N CA CB CG1	ARG C ARG C VAL C VAL C VAL C VAL C VAL C	134 134 135 135 135	46.063 45.918 47.062	98.874 98.702 98.084 100.014 100.842 101.800 101.588 101.577	16.521 15.544 15.692 15.307 15.169 13.997 13.020 13.319	1.00100.07 1.00 19.49 1.00 19.49 1.00 40.37 1.00 49.31 1.00 49.11 1.00 49.11	00000000
ATOM ATOM ATOM ATOM ATOM	4578 4579 4580 4581 4582	C O N CA CB	VAL C VAL C ILE C ILE C	135 135 136 136	46.395 47.556 45.385 45.576	101.645 101.738 102.236 102.992 102.285	16.430 16.821 17.059 18.304 19.265	1.00 40.37 1.00 40.37 1.00 46.74 1.00 46.74 1.00 33.21	00000

No.

ATOM	4583	CG2 ILE C 136	46.542 103.009	20.579	1.00 33.21	С
ATOM	4584	CG1 ILE C 136	46.118 100.835	19.448	1.00 33.21	C
ATOM	4585	CD ILE C 136	44.644 100.653	19.701	1.00 73.39	c
MOTA	4586 4587	C ILE C 136 O ILE C 136	46.080 104.413 47.275 104.659	18.193 18.067	1.00 46.74	C
MOTA MOTA	4588	N VAL C 137	45.157 105.353	18.281	1.00 30.06	c
ATOM	4589	CA VAL C 137	45.500 106.753	18.203	1.00 30.06	č
MOTA	4590	CB VAL C 137	44.342 107.561	18.740	1.00 64.43	č
MOTA	4591	CG1 VAL C 137	44.443 108.968	18.263	1.00 64.43	Ċ
MOTA	4592	CG2 VAL C 137	43.034 106.931	18.293	1.00 64.43	С
MOTA	4593	C VAL C 137	46.771 107.022	19.018	1.00 30.06	C
ATOM	4594	O VAL C 137	46.769 106.871	20.232	1.00 30.06	C
ATOM ATOM	4595 4596	N SER C 138 CA SER C 138	47.841 107.431 49.162 107.692	18.336 18.946	1.00 32.80 1.00 32.80	C
ATOM	4597	CB SER C 138	50.210 108.075	17.891	1.00 91.01	Ċ
ATOM	4598	OG SER C 138	51.464 108.350	18.526	1.00 91.01	č
ATOM	4599	C SER C 138	49.362 108.705	20.063	1.00 32.80	C
ATOM	4600	O SER C 138	49.628 109.872	19.793	1.00 32.80	C
ATOM	4601	N GLN C 139	49.276 108.247	21.307	1.00 52.72	C
MOTA MOTA	4602 4603	CA GLN C 139 CB GLN C 139	49.538 109.057 50.884 108.618	22.504 23.049	1.00 52.72 1.00 81.44	C
ATOM	4604	CG GLN C 139	51.087 108.824	24.493	1.00 81.44	c
ATOM	4605	CD GLN C 139	52.080 107.836	25.010	1.00 81.44	č
MOTA	4606	OE1 GLN C 139	53.249 107.855	24.633	1.00 81.44	С
MOTA	4607	NE2 GLN C 139	51.616 106.933	25.849	1.00 81.44	С
ATOM	4608	C GLN C 139	49.552 110.582	22.381	1.00 52.72	C
ATOM	4609 4610	O GLN C 139 N ILE C 140	48.756 111.267 50.524 111.076	23.031	1.00 52.72 1.00 61.34	C
ATOM ATOM	4611	N ILE C 140 CA ILE C 140	50.750 112.497	21.602 21.303	1.00 61.34	c
ATOM	4612	CB ILE C 140	49.900 113.403	22.199	1.00 66.08	č
ATOM	4613	CG2 ILE C 140	50.546 114.766	22.332	1.00 66.08	C
ATOM	4614	CG1 ILE C 140	48.496 113.506	21.617	1.00 66.08	C
ATOM	4615	CD ILE C 140	47.519 114.182	22.530	1.00100.07	C
ATOM	4616	C ILE C 140	52.205 113.021	21.323	1.00 61.34	C
ATOM ATOM	4617 4618	O ILE C 140 N HIS C 141	53.090 112.481 52.411 114.106	22.008 20.573	1.00 41.62	Č
ATOM	4619	CA HIS C 141	53.707 114.758	20.410	1.00 41.62	č
MOTA	4620	CB HIS C 141	53.935 115.022	18.931	1.00100.07	С
MOTA	4621	CG HIS C 141	52.958 114.314	18.057	1.00100.07	C
MOTA	4622	CD2 HIS C 141	51.763 114.699	17.555	1.00100.07	C
ATOM ATOM	4623 4624	ND1 HIS C 141 CE1 HIS C 141	53.115 112.992 52.052 112.595	17.700 17.019	1.00100.07	C
ATOM	4625	NE2 HIS C 141	51.218 113.615	16.920	1.00100.07	č
ATOM	4626	C HIS C 141	53.739 116.083	21.126	1.00 41.62	C
ATOM	4627	O HIS C 141	54.450 116.995	20.709	1.00 41.62	С
MOTA	4628	N ARG C 142	52.959 116.202	22.189	1.00 38.29	C
ATOM	4629 4630	CA ARG C 142 CB ARG C 142	52.895 117.457 54.275 117.834	22.929 23.503	1.00 38.29 1.00 51.20	C
ATOM ATOM	4631	CG ARG C 142	54.308 119.222	24.142	1.00 51.20	Č
ATOM	4632	CD ARG C 142	55.067 119.258	25.457	1.00 51.20	č
ATOM	4633	NE ARG C 142	56.399 119.819	25.309	1.00 51.20	С
MOTA	4634	CZ ARG C 142	57.359 119.264	24.583	1.00 51.20	C
MOTA	4635 4636	NH1 ARG C 142 NH2 ARG C 142	57.125 118.128 58.552 119.844	23.940 24.501	1.00 51.20 1.00 51.20	C
MOTA MOTA	4637	C ARG C 142	52.370 118.601	22.048	1.00 38.29	Ċ
ATOM	4638	O ARG C 142	52.106 119.689	22.561	1.00 38.29	č
ATOM	4639	N SER C 143	52.233 118.346	20.736	1.00 13.32	C
ATOM	4640	CA SER C 143	51.724 119.314	19.744	1.00 13.32	C
ATOM	4641	CB SER C 143	50.630 120.195	20.356	1.00 74.48	_ C
ATOM ATOM	4642 4643	OG SER C 143 C SER C 143	50.188 121.169 52.803 120.186	19.431 19.133	1.00 74.48 1.00 13.32	c c
ATOM	4644	O SER C 143	53.581 120.798	19.844	1.00 13.32	č
ATOM	4645	N PRO C 144	52.833 120.286	17.798	1.00 33.41	C
MOTA	4646	CD PRO C 144	51.686 119.989	16.927	1.00 47.73	C
ATOM	4647	CA PRO C 144	53.826 121.084	17.070	1.00 33.41	C
ATOM	4648	CB PRO C 144	53.307 121.048	15.637	1.00 47.73	C
MOTA MOTA	4649 4650	CG PRO C 144 C PRO C 144	51.838 121.029 54.038 122.514	15.834 17.569	1.00 47.73 1.00 33.41	c
ATOM	4651	O PRO C 144	53.157 123.103	18.210	1.00 33.41	č
ATOM	4652	N GLY C 145	55.225 123.057	17.286	1.00 44.08	C
ATOM	4653	CA GLY C 145	55.528 124.422	17.690	1.00 44.08	C
ATOM	4654	C GLY C 145 O GLY C 145	56.897 124.751	18.269	1.00 44.08	C
ATOM ATOM	4655 4656	O GLY C 145 N VAL C 146	57.934 124.315 56.873 125.555	17.770 19.331	1.00 44.08 1.00 43.75	C
ATOM	4657	CA VAL C 146	58.064 126.017	20.054	1.00 43.75	c
ATOM	4658	CB VAL C 146	58.742 127.196	19.320	1.00 46.92	C C
ATOM	4659	CG1 VAL C 146	59.609 127.995	20.293	1.00 46.92	C
ATOM	4660	CG2 VAL C 146	59.576 126.669	18.152	1.00 46.92	C
ATOM	4661	C VAL C 146	57.581 126.512 56.627 127.296	21.416 21.470	1.00 43.75	C
MOTA MOTA	4662 4663	O VAL C 146 N TYR C 147	58.212 126.071	22.510	1.00 41.76	C
ATOM	4664	CA TYR C 147	57.755 126.524	23.821	1.00 41.76	С
MOTA	4665	CB TYR C 147	56.340 125.986	24.091	1.00 49.74	С
MOTA	4666	CG TYR C 147	56.027 124.619	23.509	1.00 49.74	С

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ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	4667 4668 4670 4671 4672 4673 4674 4675 4676 4678 4681 4682 4683 4684	CD1 TYR C 147 CE1 TYR C 147 CD2 TYR C 147 CE2 TYR C 147 CCZ TYR C 147 CC TYR C 147 C TYR C 147 C TYR C 147 N PHE C 148 CA PHE C 148 CB PHE C 148 CD1 PHE C 148 CD1 PHE C 148 CD2 PHE C 148 CD2 PHE C 148 CE2 PHE C 148 CE2 PHE C 148 CC PHE C 148 CC PHE C 148 CC PHE C 148 CC PHE C 148 CP PHE C 148	56.758 123.497 56.441 122.235 54.965 124.444 54.644 123.188 55.387 122.085 55.092 120.822 58.590 126.375 58.032 126.250 59.912 126.413 60.814 126.367 60.589 127.621 60.547 128.865 59.437 129.150 61.663 129.676 59.440 130.200 61.678 130.737 60.558 130.994 60.800 125.145 60.861 124.012	23.888 23.398 22.610 22.114 22.515 22.055 25.088 26.177 24.959 26.119 26.961 25.366 26.064 24.478 25.172 24.377 27.021	1.00 49.74 1.00 49.74 1.00 49.74 1.00 49.74 1.00 49.74 1.00 41.76 1.00 100.02 1.00100.02 1.00 35.32 1.00 35.32 1.00 35.32 1.00 35.32 1.00 35.32 1.00 35.32 1.00 35.32 1.00 35.32	000000000000000000000000000000000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	4686 4687 4688 4689 4691 4692 4693 4695 4696 4697 4698	N THR C 149 CA THR C 149 CB THR C 149 OG1 THR C 149 CG2 THR C 149 C THR C 149 O THR C 149 N PRO C 150 CD PRO C 150 CA PRO C 150 CB PRO C 150 CG PRO C 150 C PRO C 150 C PRO C 150 C PRO C 150	60.739 125.410 60.737 124.404 60.741 122.966 59.541 122.732 60.854 121.961 62.017 124.567 63.101 124.674 61.913 124.600 60.678 124.839 63.084 124.745 62.465 124.908 61.081 124.376 64.140 123.631	28.330 29.398 28.849 28.104 29.984 30.215 29.643 31.556 32.314 32.436 33.829 33.679 32.380	1.00 52.16 1.00 52.16 1.00100.07 1.00100.07 1.00 52.16 1.00 52.16 1.00 47.65 1.00 61.69 1.00 61.69 1.00 61.69 1.00 61.69 1.00 61.69	0000000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	4699 4700 4701 4702 4703 4704 4705 4706 4707 4708 4710 4711 4711	O PRO C 150 N ASP C 151 CA ASP C 151 CB ASP C 151 OD1 ASP C 151 OD2 ASP C 151 O ASP C 151 O ASP C 151 O ASP C 151 N PRO C 152 CD PRO C 152 CA PRO C 152 CB PRO C 152 CG PRO C 152	63.826 122.444 65.401 124.055 66.547 123.158 67.816 123.960 69.004 123.072 69.257 122.103 69.693 123.349 66.733 122.438 67.020 123.066 66.580 121.105 66.281 120.281 66.728 120.264 66.297 118.887 66.732 118.906	32.362 32.352 32.257 31.597 32.341 30.586 33.596 34.613 33.596 32.410 34.791 34.293 32.851	1.00 47.65 1.00 78.09 1.00 82.31 1.00 82.31 1.00 82.31 1.00 82.31 1.00 78.09 1.00 78.09 1.00100.07 1.00100.07 1.00100.07 1.00100.07	000000000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	4713 4714 4715 4716 4717 4718 4719 4720 4721 4722 4723 4724	C PRO C 152 O PRO C 152 N ALA C 153 CA ALA C 153 CB ALA C 153 O ALA C 153 O ALA C 153 N ARG C 154 CA ARG C 154 CB ARG C 154 CG ARG C 154 CD ARG C 154 NE ARG C 154	68.149 120.259 68.400 119.688 69.074 120.890 70.463 120.983 71.398 120.750 70.679 122.378 71.014 123.314 70.494 122.495 70.616 123.764 72.080 124.201 72.969 123.242 73.766 123.969 72.902 124.445	35.364 36.430 34.645 35.083 33.910 35.662 34.930 36.979 37.695 37.803 38.612 39.701 40.786	1.00100.07 1.00100.07 1.00 77.78 1.00 77.78 1.00 77.78 1.00 77.78 1.00 94.66 1.00 94.66 1.00100.07 1.00100.07	0000000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	4726 4727 4728 4729 4731 4732 4733 4734 4735 4736 4737 4738 4739	CZ ARG C 154 NH1 ARG C 154 NH2 ARG C 154 C ARG C 154 O ARG C 155 CD PRO C 155 CA PRO C 155 CB PRO C 155 CG PRO C 155 C PRO C 155 C PRO C 155 C PRO C 155 N GLY C 156 CA GLY C 156	73.318 125.157 74.599 125.493 72.451 125.529 69.790 124.800 70.141 125.210 68.676 125.237 68.500 125.126 67.739 126.218 67.365 127.035 67.258 125.954 68.239 127.073 68.902 128.094 67.900 126.653 68.337 127.381	41.832 41.949 42.768 36.941 35.839 37.539 39.000 38.208 39.252 35.802 35.895 34.581 33.401	1.00100.07 1.00100.07 1.00 94.66 1.00 94.66 1.00 99.90 1.00 66.32 1.00 99.90 1.00 66.32 1.00 99.90 1.00 99.90 1.00 99.77	000000000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	4740 4741 4742 4743 4744 4745 4746 4747 4748 4750	C GLY C 156 O GLY C 156 N ARG C 157 CA ARG C 157 CB ARG C 157 CG ARG C 157 CD ARG C 157 NE ARG C 157 NE ARG C 157 NH1 ARG C 157 NH2 ARG C 157	67.451 127.278 67.945 127.289 66.145 127.181 65.163 127.100 64.694 128.495 64.524 129.435 64.051 128.739 63.404 129.700 63.177 129.511 63.552 128.380 62.560 130.463	32.168 31.036 32.383 31.298 30.913 32.075 33.335 34.216 35.511 36.108 36.207	1.00 82.77 1.00 82.77 1.00100.07 1.00100.07 1.00 63.00 1.00 63.00 1.00 63.00 1.00 63.00 1.00 63.00 1.00 63.00 1.00 63.00	00000000000

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ATOM	4751	C	ARG C 157			126.380	30.022	1.00100.07	C
ATOM ATOM	4752 4753	O N	ARG C 157		.856		30.038 28.922	1.00100.07 1.00 80.15	C
ATOM	4754	CA	TYR C 158		.999		27.587	1.00 80.15	C
ATOM	4755	CB	TYR C 158		.807		27.661	1.00100.07	č
ATOM	4756	CG	TYR C 158		.052		27.103	1.00100.07	С
MOTA	4757		. TYR C 158		.109		27.870	1.00100.07	C
ATOM ATOM	4758 4759	CE1			.327 .207		27.320 25.772	1.00100.07	C
ATOM	4760	CE2			.435		25.205	1.00100.07	c
MOTA	4761	CZ	TYR C 158		.493		25.978	1.00100.07	ċ
ATOM	4762	OH	TYR C 158		.718		25.394	1.00100.07	С
ATOM	4763 4764	C	TYR C 158		.755		26.723	1.00 80.15	C
MOTA MOTA	4765	O N	TYR C 158		.925		27.232 25.409	1.00 80.15 1.00 23.07	c c
ATOM	4766	CA	ILE C 159		.802		24.494	1.00 23.07	č
ATOM	4767	CB	ILE C 159		.603		23.606	1.00100.07	C
MOTA MOTA	4768 4769	CG2 CG1			.118		23.421 24.212	1.00100.07	C
ATOM	4770	CD	ILE C 159		.809		24.080	1.00100.07	C
ATOM	4771	C	ILE C 159		.843		23.542	1.00 23.07	С
ATOM	4772	0	ILE C 159			124.840	22.983	1.00 23.07	C
ATOM ATOM	4773 4774	N CA	ALA C 160 ALA C 160			124.631 123.511	23.339 22.446	1.00 47.25 1.00 47.25	C C
ATOM	4775	CB	ALA C 160			122.408	23.175	1.00 47.23	Ċ
ATOM	4776	C	ALA C 160	61	.713	123.998	21.204	1.00 47.25	Ċ
MOTA	4777	0	ALA C 160			124.642	21.320	1.00 47.25	c
ATOM ATOM	4778 4779	N CA	SER C 161 SER C 161		.257	123.725 124.115	20.022 18.772	1.00 99.36 1.00 99.36	C C
ATOM	4780	CB	SER C 161			124.628	17.753	1.00 42.46	č
MOTA	4781	OG	SER C 161	62	.631	126.046	17.644	1.00 42.46	С
ATOM	4782 4783	C	SER C 161 SER C 161			122.873	18.228	1.00 99.36	C C
ATOM ATOM	4784	O N	ILE C 162			121.999 122.794	17.638 18.436	1.00 99.36 1.00100.02	c
MOTA	4785	CA	ILE C 162	58	.806	121.647	17.984	1.00100.02	С
ATOM	4786	CB	ILE C 162			121.632	18.588	1.00100.07	C
ATOM ATOM	4787 4788	CG2 CG1				120.346 121.682	18.211 20.110	1.00100.07	C
MOTA	4789	CD	ILE C 162			122.957	20.665	1.00100.07	č
ATOM	4790	C	ILE C 162		.672	121.582	16.484	1.00100.02	C
ATOM ATOM	4791 4792	O N	ILE C 162		.157	122.455 120.546	15.774 15.998	1.00100.02	C
MOTA	4793	CA	ILE C 163			120.380	14.571	1.00 27.30	Č
ATOM	4794	CB	ILE C 163		.935	119.477	14.050	1.00 37.66	C
ATOM	4795 4796	CG2 CG1			.549 .237	118.894 120.269	12.717	1.00 37.66 1.00 37.66	C
MOTA MOTA	4797	CD	ILE C 163		,127	120.269	13.991 13.217	1.00 37.66	c
ATOM	4798	С	ILE C 163			119.803	14.208	1.00 27.30	C
MOTA	4799 4800	0	ILE C 163 PRO C 164		.944 .921	118.980 120.222	14.948 13.055	1.00 27.30 1.00100.07	C
ATOM ATOM	4801	CD	PRO C 164		.538	121.109	12.051	1.00100.07	C
ATOM	4802	CA	PRO C 164	54	.614	119.749	12.576	1.00100.07	C
ATOM ATOM	4803	CB	PRO C 164		.589	120.207	11.107 10.768	1.00 96.76	c c
ATOM	4804 4805	CG C	PRO C 164 PRO C 164		.036 .360	120.516 118.244	12.722	1.00 96.76 1.00100.07	c
ATOM	4806	0	PRO C 164			117.772	12.520	1.00100.07	Ċ
ATOM	4807	N	LEU C 165		.406	117.507	13.083	1.00 69.74	C
ATOM ATOM	4808 4809	CA CB	LEU C 165	-	.330	116.062 115.414	13.255 11.943	1.00 69.74	C
ATOM	4810	CG	LEU C 165			113.890	11.877	1.00100.07	- c
ATOM	4811		LEU C 165			113.447	12.315	1.00100.07	C
ATOM ATOM	4812 4813	CD2	LEU C 165 LEU C 165			113.420 115.576	10.459 13.600	1.00100.07 1.00 69.74	C C
ATOM	4814	ŏ	LEU C 165			116.279	13.357	1.00 69.74	С
ATOM	4815	N	PRO C 166			114.379	14.192	1.00 90.60	C
ATOM ATOM	4816 4817	CD	PRO C 166 PRO C 166			113.495 113.925	14.807 14.504	1.00 49.54 1.00 90.60	C
ATOM	4818	CB	PRO C 166			112.786	15.505	1.00 49.54	C
MOTA	4819	CG	PRO C 166			112.240	15.083	1.00 49.54	С
ATOM ATOM	4820 4821	0	PRO C 166 PRO C 166			113.481 113.209	13.206 13.192	1.00 90.60 1.00 90.60	C C
ATOM	4822	N	LYS C 167			113.430	12.116	1.00100.01	Č
ATOM	4823	CA	LYS C 167	58	.668	113.048	10.800	1.00100.01	C
ATOM	4824	CB	LYS C 167			111.655	10.396	1.00100.07	C
ATOM ATOM	4825 4826	CG CD	LYS C 167 LYS C 167			110.494 109.131	11.256 10.759	1.00100.07	C
ATOM	4827	CE	LYS C 167			107.963	11.653	1.00100.07	С
MOTA	4828	NZ	LYS C 167			106.610	11.188	1.00100.07	С
ATOM ATOM	4829 4830	C O	LYS C 167 LYS C 167			114.083 113.739	9.755 8.627	1.00100.01	C
ATOM	4831	N	ARG C 168			115.354	10.146	1.00 64.31	C
MOTA	4832	CA	ARG C 168			116.453	9.263	1.00 64.31	C
ATOM ATOM	4833 4834	CB CG	ARG C 168 ARG C 168			116.704 117.009	9.374 8.053	1.00 77.54 1.00 77.54	C
	7024			73	4, 5	,.000	0.000	2.00 //.54	•

ATOM 4835 ARG C 168 56.177 118.346 1.00 77.54 1.00 77.54 CD 7.512 ARG C 168 ARG C 168 55.819 118.499 6.109 ATOM 4836 NE 4837 56.249 117.690 5.147 77.54 ATOM CZ1.00 ATOM 4838 NH1 ARG C 168 57.049 116.673 5.444 1.00 77.54 ARG C 168 ARG C 168 ARG C 168 NH2 C 55.885 117.898 58.691 117.720 ATOM 4839 3.888 1.00 77.54 9.630 4840 1.00 64.31 ATOM C ATOM ō 58.182 118.842 4841 9.536 1.00 64.31 GLY C 169 59.943 117.516 10.042 ATOM 4842 N 1.00 72.47 GLY C 169 GLY C 169 GLY C 169 PRO C 170 PRO C 170 CA C ATOM 4843 60.812 118.617 10.429 1.00 72.47 61.723 118.316 61.381 117.508 62.898 118.961 ATOM 4844 11.617 1.00 72.47 CCC 12.482 11.694 1.00 72.47 1.00 89.12 ATOM 4845 ATOM N 4846 ATOM 4847 CD 63.498 119.758 10.609 1.00100.07 PRO C 170 PRO C 170 PRO C 170 PRO C 170 63.861 118.759 65.157 119.298 64.676 120.391 63.543 119.380 ATOM 4848 CA 12.784 1.00 89.12 ATOM 4849 CB 12.193 1.00100.07 CG C 1.00100.07 11.299 14.155 ATOM 4850 ATOM 4851 1.00 89.12 PRO C 170 PRO C 170 TRP C 171 TRP C 171 TRP C 171 Õ 63.020 120.494 1.00 89.12 ATOM 4852 14.262 63.898 118.625 15.191 1.00 65.36 ATOM 4853 N ATOM 4854 CA 63.716 118.969 16.607 1.00 65.36 63.716 117.648 63.110 117.578 61.945 118.255 17.400 18.806 19.311 ATOM 4855 CB 1.00 59.97 1.00 59.97 ATOM 4856 CG ATOM 4857 CD2 TRP C 171 1.00 59.97 ATOM 4858 CE2 TRP C 171 61.694 117.749 20.606 1.00 59.97 CE3 TRP C 171 CD1 TRP C 171 NE1 TRP C 171 61.082 119.228 63.505 116.725 62.662 116.820 18.794 19.804 20.881 ATOM 4859 1.00 59.97 CCC 1.00 59.97 1.00 59.97 ATOM 4860 ATOM 4861 CZ2 TRP C 171 CZ3 TRP C 171 21.391 ATOM 60.625 118.188 4862 1.00 59.97 ATOM 4863 60.020 119.658 19.581 1.00 59.97 CH2 TRP C 171 C TRP C 171 O TRP C 171 ATOM 4864 59.801 119.138 20.858 1.00 59.97 64.931 119.822 66.047 119.310 64.730 121.116 17.005 17.078 17.236 ATOM 4865 1.00 65.36 4866 1.00 65.36 1.00 75.20 ATOM ILE C 172 ILE C 172 ATOM 4867 N CA 65.842 121.984 17.626 1.00 75.20 ATOM 4868 ATOM 4869 CB ILE C 172
CG2 ILE C 172
CG1 ILE C 172
C ILE C 172
O ILE C 172
N ASP C 173
CA ASP C 173
CB ASP C 173
CG ASP C 173
OD1 ASP C 173
OD2 ASP C 173
C ASP C 173
OD ASP C 173
O ASP C 173 CB ILE C 172 65.914 123.297 16.774 1.00 49.67 66.771 124.342 66.553 123.049 66.740 124.339 65.686 122.412 1.00 49.67 1.00 49.67 1.00 49.67 ATOM 4870 17.478 15.411 ATOM 4871 14.603 ATOM 4872 19.076 1.00 75.20 ATOM 4873 ATOM 4874 64.570 122.463 19.596 1.00 75.20 66.812 122.717 66.807 123.196 66.997 122.054 65.687 121.431 19.723 21.100 1.00 45.64 1.00 45.64 ATOM 4875 ATOM 4876 ATOM 22.091 4877 1.00 58.55 4878 22.510 1.00 58.55 ATOM 64.666 122.142 65.675 120.239 67.866 124.255 1.00 58.55 1.00 58.55 ATOM 4879 22.491 22.877 21.360 ATOM ATOM 4880 4881 1.00 45.64 C ASP C 173
O ASP C 173
N LEU C 174
CA LEU C 174
CB LEU C 174
CG LEU C 174
CD1 LEU C 174
CD2 LEU C 174
C LEU C 174
C LEU C 174
C LEU C 174
N GLU C 175
CA GLU C 175
CB GLU C 175 69.064 123.955 21.365 1.00 45.64 ATOM 4882 67.412 125.498 68.296 126.612 67.575 127.939 66.944 128.213 ATOM 4883 21.535 1.00 26.43 C ATOM 4884 21.859 1.00 26.43 1.00 44.43 ATOM 4885 21.695 20.335 ATOM 1.00 44.43 4886 65.633 128.952 20.541 1.00 44.43 ATOM 4887 67.901 129.010 68.476 126.309 67.490 126.161 69.718 126.215 ATOM 4888 19.456 1.00 44.43 23.331 24.060 1.00 26.43 1.00 26.43 ATOM 4889 4890 ATOM 23.780 1.00 54.85 ATOM 4891 ATOM 4892 69.955 125.839 25.163 1.00 54.85 GLU C 175 GLU C 175 GLU C 175 70.220 124.337 70.503 123.710 70.747 122.223 ATOM 4893 CB 25.181 26.510 1.00100.07 ATOM 4894 CG CD 26.358 1.00100.07 MOTA 4895 MOTA 4896 OE1 GLU C 175 71.643 121.857 25.568 1.00100.07 GLU C 175 GLU C 175 GLU C 175 70.046 121.423 71.100 126.593 72.247 126.151 27.015 25.818 25.753 1.00100.07 MOTA 4897 OE2 1.00 54.85 1.00 54.85 MOTA 4898 C ō MOTA 4899 GLU C 175 VAL C 176 70.784 127.722 71.799 128.533 71.243 129.893 72.351 130.689 70.695 130.680 1.00 99.89 ATOM 4900 N 26.455 27.126 27.605 4901 CA 1.00 99.89 MOTA MOTA 4902 CB 1.00100.07 28.289 26.428 1.00100.07 MOTA 4903 CG1 CG2 4904 MOTA 70.341 127.791 71.575 127.336 73.667 127.683 74.368 126.985 75.119 125.780 4905 28.335 1.00 99.89 MOTA VAL C 176 GLU C 177 GLU C 177 GLU C 177 MOTA 4906 0 29.186 1.00 99.89 28.396 29.469 28.892 MOTA 4907 N 1.00 99.82 1.00 99.82 1.00 87.63 ATOM 4908 CA MOTA 4909 CB GLU C 177 76.130 126.137 27.801 1.00 87.63 MOTA 4910 GLU C 177 GLU C 177 GLU C 177 76.448 124.968 75.514 124.469 26.882 26.217 MOTA 4911 CD 1.00 87.63 1.00 87.63 MOTA 4912 OE1 4913 77.625 124.548 ATOM OE2 26.822 1.00 87.63 30.136 MOTA 4914 С GLU C 177 75.353 127.930 1.00 99.82 ATOM 4915 GLU C 177 75.239 129.148 30.001 1.00 99.82 76.319 127.366 77.328 128.176 77.666 127.569 4916 N ALA C 178 30.855 1.00 74.18 ATOM MOTA 4917 CA ALA C 178 ALA C 178 31.530 1.00 74.18 1.00 22.45 C 32,909 MOTA 4918 CB

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SER C 179
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GLY C 180
GLY C 180
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CG1 VAL C 182
CG2 VAL C 182
C VAL C 182
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CA THR C 183
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THR C 183
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ARG C 198
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82.794 133.126
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1.00 53.87
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75.188 131.057
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                CG2
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                                       72.821 134.734
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1.00 51.02
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ATOM
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MOTA	5089	0	LEU C 200	69.850	136.420	8.653	1.00 54.72	C
ATOM	5090	N	GLY C 201	72.025		9.221	1.00 88.81	C
ATOM	5091	CA	GLY C 201	72.227		9.126	1.00 88.81	C
ATOM	5092	C	GLY C 201		138.423	10.373	1.00 88.81	C
ATOM	5093	0	GLY C 201		139.284	10.309	1.00 88.81	C
ATOM	5094 5095	N	TYR C 202		138.133	11.500	1.00 50.03	C
ATOM	5095	CA CB	TYR C 202 TYR C 202		138.830	12.736 13.923	1.00 50.03	C
ATOM ATOM	5090	CG	TYR C 202	70.107		13.669	1.00 91.56	C
ATOM	5098	CD1		69.642		13.064	1.00 91.56	ç
ATOM	5099	CE1		68.305		12.786	1.00 91.56	C
ATOM	5100	CD2			139.018	13.993	1.00 91.56	Č
ATOM	5101	CE2			138.861	13.719	1.00 91.56	č
ATOM	5102	CZ	TYR C 202		137.700	13.117	1.00 91.56	Ċ
ATOM	5103	OH	TYR C 202	66.063		12.877	1.00 91.56	C
MOTA	5104	С	TYR C 202		138.717	12.963	1.00 50.03	С
ATOM	5105	0	TYR C 202	74.435		12.396	1.00 50.03	С
ATOM	5106	N	ASP C 203	74.318		13.788	1.00 56.36	C
ATOM	5107	CA	ASP C 203		139.628	14.095	1.00 56.36	C
ATOM	5108	CB	ASP C 203		139.377	12.833	1.00100.07	C
MOTA	5109	CG	ASP C 203 ASP C 203		140.117	11.599	1.00100.07	c c
ATOM ATOM	5110 5111	OD2			139.493	11.712 10.511	1.00100.07	c
ATOM	5112	C	ASP C 203		140.949	14.716	1.00100.07	C
ATOM	5113	õ	ASP C 203		142.018	14.165	1.00 56.36	č
ATOM	5114	N	GLN C 204	76.785		15.876	1.00 72.47	č
ATOM	5115	CA	GLN C 204	77.287		16.621	1.00 72.47	Č
MOTA	5116	CB	GLN C 204	78.592		15.997	1.00 72.98	C
ATOM	5117	CG	GLN C 204	79.460	143.213	16.987	1.00 72.98	С
ATOM	5118	CD	GLN C 204	79.751	142.357	18.206	1.00 72.98	C
ATOM	5119	OE1	GLN C 204	78.831		18.867	1.00 72.98	С
ATOM	5120	NE2		81.035		18.510	1.00 72.98	C
MOTA	5121	C	GLN C 204	76.332		16.742	1.00 72.47	C
ATOM	5122	0	GLN C 204	75.809		15.750	1.00 72.47	C
MOTA	5123	N	GLU C 205 GLU C 205	76.124		17.968	1.00 53.41 1.00 53.41	C
ATOM ATOM	5124 5125	CA CB	GLU C 205	75.254 75.979		18.200 17.820	1.00100.07	Č
ATOM	5126	CG	GLU C 205	77.134		18.755	1.00100.07	Ċ
ATOM	5127	CD	GLU C 205	77.684		18.493	1.00100.07	Ċ
MOTA	5128	OE1	GLU C 205	78.190		17.375	1.00100.07	Č
ATOM	5129	OE2	GLU C 205		148.666	19.401	1.00100.07	č
ATOM	5130	С	GLU C 205	73.933		17.444	1.00 53.41	C
ATOM	5131	0	GLU C 205	72.900	144.391	18.058	1.00 53.41	С
ATOM	5132	N	THR C 206	73.946		16.125	1.00100.07	С
ATOM	5133	CA	THR C 206	72.708		15.349	1.00100.07	С
ATOM	5134	CB	THR C 206	72.987		13.806	1.00 92.33	C
MOTA	5135	0G1	THR C 206	71.781 73.487		13.064	1.00 92.33	C
ATOM ATOM	5136 5137	CG2 C	THR C 206	72.031		13.481 15.916	1.00 92.33	Ċ
ATOM	5138	ō	THR C 206	70.806		15.898	1.00100.07	č
ATOM	5139	N	LEU C 207	72.866		16.447	1.00 55.66	č
ATOM	5140	CA	LEU C 207	72.407		17.070	1.00 55.66	С
ATOM	5141	CB	LEU C 207	73.581	140.389	17.240	1.00 81.45	C
MOTA	5142	CG	LEU C 207	73.260		17.825	1.00 81.45	С
ATOM	5143		LEU C 207	72.044		17.132	1.00 81.45	C
ATOM	5144	CD2	LEU C 207	74.456		17.667	1.00 81.45	C
ATOM	5145	C	LEU C 207		141.782	18.423	1.00 55.66	- C
ATOM ATOM	5146 5147	O N	LEU C 207 VAL C 208		142.388 141.458	18.501 19.488	1.00 55.66 1.00 65.79	c C
ATOM	5148	CA	VAL C 208		141.863	20.820	1.00 65.79	Ċ
ATOM	5149	CB	VAL C 208	72.873		21.921	1.00100.07	Č
ATOM	5150	CG1		72.747		23.244	1.00100.07	č
ATOM	5151	CG2	VAL C 208	72.273		22.029	1.00100.07	С
MOTA	5152	С	VAL C 208	72.612		20.871	1.00 65.79	С
ATOM	5153	0	VAL C 208	73.547	143.674	20.158	1.00 65.79	С
MOTA	5154	N	ARG C 209	71.979		21.735	1.00 99.95	С
ATOM	5155	CA	ARG C 209	72.252		21.840	1.00 99.95	С
ATOM	5156	CB	ARG C 209	73.729		21.533	1.00100.07	C
ATOM	5157	CG	ARG C 209	74.700		22.527	1.00100.07	C
ATOM	5158	CD	ARG C 209	76.155		22.327	1.00100.07	C
ATOM	5159 5160	NE CZ	ARG C 209	77.002		23.453	1.00100.07	C
ATOM	5160 5161	CZ NH1	ARG C 209 ARG C 209	78.293 78.910		23.580 22.648	1.00100.07	C
MOTA MOTA	5162		ARG C 209	78.910		24.648	1.00100.07	c
ATOM	5163	C	ARG C 209	71.313		20.730	1.00100.07	C
ATOM	5164	ō	ARG C 209	71.573		19.970	1.00 99.95	Č
ATOM	5165	N	GLU C 210	70.207		20.683	1.00 71.12	С
MOTA	5166	CA	GLU C 210	69.107		19.738	1.00 71.12	С
ATOM	5167	CB	GLU C 210	69.636	145.502	18.308	1.00100.07	С
ATOM	5168	CG	GLU C 210	69.087		17.548	1.00100.07	С
ATOM	5169	CD	GLU C 210	69.703		17.998	1.00100.07	C
MOTA	5170	OE1	GLU C 210	70.945	148.141	17.931	1.00100.07	C

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MOTA
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                         GLU C 210
                   С
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                         GLU C 210
LEU C 211
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ATOM
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LEU C 211
LEU C 211
LEU C 211
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LEU C 211
SER C 212
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ALA C 213
ALA C 213
ALA C 213
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TYR C 214
TYR C 214
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CD2 TYR C 214
CE2 TYR C 214
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MOTA
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OD2 ASP C 216
C ASP C 216
O ASP C 216
N LEU C 217
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CD2 LEU C 217
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VAL C 218
VAL C 218
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VAL C 218
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VAL C 218
VAL C 218
GLN C 219
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GLN C 219
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GLN C 219
GLY C 220
GLY C 220
GLY C 220
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LEU C 221
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LEU C 222
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ATOM
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ATOM ATOM ATOM	5255 5256 5257	CB LEU C 222 CG LEU C 222 CD1 LEU C 222	80.269 138. 78.933 139. 79.164 140.	159 22.213 356 23.113	1.00 50.24 1.00 50.24 1.00 50.24	c c c
ATOM ATOM ATOM	5258 5259 5260	CD2 LEU C 222 C LEU C 222 O LEU C 222	77.983 139. 81.434 136. 81.876 136.	778 20.514 979 19.391	1.00 50.24 1.00 68.85 1.00 68.85	000
ATOM ATOM ATOM	5261 5262 5263	N ASP C 223 CA ASP C 223 CB ASP C 223	82.112 136. 83.399 135. 84.250 135.	502 21.040 159 22.255	1.00100.07 1.00100.07 1.00 99.92	C C C
ATOM ATOM ATOM	5264 5265 5266	CG ASP C 223 OD1 ASP C 223 OD2 ASP C 223	85.546 134. 86.279 135. 85.821 133.	089 21.043 388 22.359	1.00 99.92 1.00 99.92 1.00 99.92	000
ATOM ATOM ATOM	5267 5268 5269	C ASP C 223 O ASP C 223 N GLU C 224	83.191 134. 82.099 133. 84.242 133.	676 20.188 823 19.512	1.00100.07 1.00100.07 1.00100.07	0 0 0
ATOM ATOM ATOM	5270 5271 5272 5273	CA GLU C 224 CB GLU C 224 CG GLU C 224 CD GLU C 224	84.145 132. 83.543 131. 83.776 130.	453 19.340 126 18.610	1.00100.07 1.00100.07 1.00100.07	0000
ATOM ATOM ATOM ATOM	5274 5275 5276	CD GLU C 224 OE1 GLU C 224 OE2 GLU C 224 C GLU C 224	85.253 129. 85.869 129. 85.800 129. 83.196 133.	546 19.621 585 17.430	1.00100.07 1.00100.07 1.00100.07 1.00100.07	0000
ATOM ATOM ATOM	5277 5278 5279	O GLU C 224 N ALA C 225 CA ALA C 225	82.964 132. 82.656 134. 81.744 135.	537 16.525 364 17.819	1.00100.07 1.00100.07 1.00100.07	000
ATOM ATOM ATOM	5280 5281 5282	CB ALA C 225 C ALA C 225 O ALA C 225	80.427 135. 82.491 136. 82.201 137.	373 17.650 370 16.648	1.00100.07 1.00100.07 1.00100.07	000
ATOM ATOM ATOM	5283 5284 5285	N VAL C 226 CA VAL C 226 CB VAL C 226	83.446 136. 84.315 137. 85.339 137.	669 17.532 823 17.364	1.00100.07 1.00100.07 1.00 78.06	C C
ATOM ATOM ATOM	5286 5287 5288	CG1 VAL C 226 CG2 VAL C 226 C VAL C 226	86.249 139. 84.615 138. 85.009 137.	386 19.846 314 16.111	1.00 78.06 1.00 78.06 1.00100.07	с с
ATOM ATOM ATOM	5289 5290 5291	O VAL C 226 N LEU C 227 CA LEU C 227	85.512 138. 85.002 135. 85.553 135.	987 16.008 281 14.875	1.00100.07 1.00100.07 1.00100.07	000
ATOM ATOM ATOM	5292 5293 5294 5295	CB LEU C 227 CG LEU C 227 CD1 LEU C 227 CD2 LEU C 227	85.899 133. 86.534 133. 86.971 132. 87.718 134.	549 16.611 090 16.656	1.00 73.25 1.00 73.25 1.00 73.25	0000
ATOM ATOM ATOM ATOM	5296 5297 5298	CD2 LEU C 227 C LEU C 227 O LEU C 227 N ALA C 228	87.718 134. 84.398 135. 84.449 135. 83.340 134.	273 13.885 929 12.848	1.00 73.25 1.00100.07 1.00100.07 1.00 73.62	0000
ATOM ATOM ATOM	5299 5300 5301	CA ALA C 228 CB ALA C 228 C ALA C 228	82.159 134. 81.008 133. 81.718 135.	13.400 353 14.213	1.00 73.62 1.00 5.07 1.00 73.62	0 0 0
ATOM ATOM ATOM	5302 5303 5304	O ALA C 228 N MET C 229 CA MET C 229	80.865 136. 82.307 135. 82.021 137.	907 11.493 056 10.637	1.00 73.62 1.00 77.26 1.00 77.26	с с с
ATOM ATOM ATOM	5305 5306 5307	CB MET C 229 CG MET C 229 SD MET C 229	82.959 138. 83.253 138. 81.831 138.	388 12.465 383 13.422	1.00 99.54 1.00 99.54 1.00 99.54	000
ATOM ATOM ATOM	5308 5309 5310 5311	CE MET C 229 C MET C 229 O MET C 229 N ARG C 230	82.273 140. 82.247 136. 83.396 136. 81.156 136.	552 9.165 541 8.730	1.00 99.54 1.00 77.26 1.00 77.26 1.00100.07	0 0 0 0
ATOM ATOM ATOM ATOM	5312 5313 5314	N ARG C 230 CA ARG C 230 CB ARG C 230 CG ARG C 230	81.176 136. 81.176 136. 82.581 135. 82.762 135.	049 6.993 579 6.559	1.00100.07 1.00100.07 1.00100.07 1.00100.07	, ,
ATOM ATOM ATOM	5315 5316 5317	CD ARG C 230 NE ARG C 230 CZ ARG C 230	84.259 135. 84.556 134. 84.164 134.	064 4.733 258 3.545	1.00100.07 1.00100.07 1.00100.07	000
ATOM ATOM ATOM	5318 5319 5320	NH1 ARG C 230 NH2 ARG C 230 C ARG C 230	83.441 135. 84.513 133. 80.153 134.	534 2.071 757 1.291	1.00100.07 1.00100.07 1.00100.07	C C
ATOM ATOM ATOM	5321 5322 5323	O ARG C 230 N PRO C 231 CD PRO C 231	80.460 133. 78.924 135. 78.526 136.	330 6.304 571 5.859	1.00100.07 1.00 40.50 1.00 42.04	0 0 0
ATOM ATOM ATOM ATOM	5324 5325 5326 5327	CA PRO C 231 CB PRO C 231 CG PRO C 231 C PRO C 231	77.866 134. 76.813 135. 77.617 136. 78.360 133.	205 5.295 335 4.719	1.00 40.50 1.00 42.04 1.00 42.04 1.00 40.50	0000
ATOM ATOM ATOM	5328 5329 5330	O PRO C 231 N GLU C 232 CA GLU C 232	78.371 132. 78.762 133. 79.277 132.	080 5.546 573 3.905	1.00 40.50 1.00 92.40 1.00 92.40	000
MOTA MOTA MOTA	5331 5332 5333	CB GLU C 232 CG GLU C 232 CD GLU C 232	80.204 133. 80.567 132. 81.568 131.	251 1.952 408 0.722 294 1.003	1.00100.07 1.00100.07 1.00100.07	C C
ATOM ATOM ATOM	5334 5335 5336	OE1 GLU C 232 OE2 GLU C 232 C GLU C 232	81.189 130. 82.738 131. 80.059 131.	118 0.570 508 3.831	1.00100.07 1.00100.07 1.00 92.40	с с
ATOM ATOM	5337 5338	O GLU C 232 N GLU C 233	79.703 130. 81.104 132.		1.00 92.40 1.00 52.83	c

ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	5339 5340 5341 5342 5343 5344 5345 5346 5347 5350 5351 5352 5355 5355 5356 5357 5358 5359 5361 5362 5363 5363 5364 5365	OEZ C O N CA CB CC SD CC O N CA CB CC	GLU C GLU C GLU C GLU C GLU C GLU C ALA C ALA C ALA C ALA C MET C VAL C VAL C VAL C VAL C VAL C VAL C	233 233 233 233 233 233 234 234 234 234	82.932 84.350 84.626 84.977 81.076 81.131 80.269 79.377 78.211 78.104 77.592 77.031 76.343 75.998 74.270 78.380 79.776 80.842 82.046 83.247	126.924 125.831 127.193 126.201 126.740 125.810 126.857	5.336 6.098 5.695 5.754 4.688 6.325 7.059 8.068 8.305 7.693 8.407 6.573 6.114 4.715 4.493 2.762 2.748 6.095 6.607 5.487 4.577 4.713 3.110 6.797	1.00 52.83 1.00 82.05 1.00 82.05 1.00 82.05 1.00 82.05 1.00 52.83 1.00 72.93 1.00 72.93 1.00 72.93 1.00 72.93 1.00 69.38 1.00 69.38 1.00 63.02 1.00 63.02	000000000000000000000000000000000000000
MOTA MOTA	5366 5367	0	VAL C 2	236	81.317	124.613	7.148	1.00 79.28	С
MOTA	5368	N CA	ARG C 2	237 237		126.500	7.595 8.938	1.00 71.28 1.00 71.28	C
ATOM ATOM	5369 5370	CB CG		237 237	82.357 82.899		9.726 11.124	1.00100.07	C
ATOM ATOM	5371 5372	CD NE		237 237	82.447 82.653	128.678 128.298	12.069 13.467	1.00100.07	C C
MOTA	5373	CZ	ARG C 2	237	82.152	128.959	14.506	1.00100.07	С
ATOM ATOM	5374 5375	NH1 NH2		237 237		130.044 128.530	14.315 15.738	1.00100.07	C C
ATOM ATOM	5376 5377	C O		237 237	81.211 81.595	125.592 124.851	9.665 10.567	1.00 71.28 1.00 71.28	C
ATOM	5378	N	LEU C 2	238	79.946	125.653	9.263	1.00 96.52	С
ATOM ATOM	5379 5380	CA CB	LEU C 2	238 238		124.845 125.572	9.875 9.765	1.00 96.52 1.00 29.95	C
MOTA MOTA	5381 5382	CG CD1		238 238	76.433 76.794	125.042 125.328	10.639 12.090	1.00 29.95 1.00 29.95	C
ATOM ATOM	5383 5384		LEU C 2	238 238	75.105		10.265	1.00 29.95	С
MOTA	5385	0	LEU C 2	238	78.873	122.433	9.870	1.00 96.52 1.00 96.52	C C
MOTA MOTA	5386 5387	N CA		239 239	78.560 78.444	123.485 122.259	7.891 7.106	1.00 77.89 1.00 77.89	C
ATOM ATOM	5388 5389	CB CG		239 239	78.727	122.562 121.957	5.635 4.684	1.00 99.87 1.00 99.87	C C
MOTA	5390	CD1	PHE C 2	239	77.187	122.723	3.660	1.00 99.87	С
ATOM ATOM	5391 5392	CD2 CE1	PHE C 2	239 239	77.390 76.306	120.616 122.164	4.777 2.740	1.00 99.87 1.00 99.87	c c
ATOM ATOM	5393 5394	CE2 CZ		239 239		120.045 120.822	3.861 2.840	1.00 99.87 1.00 99.87	C
MOTA MOTA	5395 5396	C	PHE C 2	39 39	79.509	121.339	7.671	1.00 77.89	C
ATOM	5397	N	THR C 2	40	80.692	120.168 121.907	7.939 7.866	1.00 77.89 1.00 42.59	c c
ATOM ATOM	5398 5399	CA CB	THR C 2			121.184 122.145	8.443 8.869	1.00 42.59 1.00 59.06	C C
MOTA MOTA	5400 5401	OG1 CG2				122.801 121.386	7.709 9.585	1.00 59.06 1.00 59.06	C
ATOM	5402	C	THR C 2	40	81.299	120.475	9.685	1.00 42.59	C
ATOM ATOM	5403 5404	O N	THR C 2			119.251 121.261	9.718 10.697	1.00 42.59 1.00100.07	C
ATOM ATOM	5405 5406	CA CB	LEU C 2			120.742 121.880	11.967 12.818	1.00100.07 1.00 44.55	C
MOTA	5407	CG	LEU C 2	41	80.862	123.035	13.055	1.00 44.55	C
ATOM ATOM	5408 5409		LEU C 2	41	82.011	124.199 122.600	13.661 13.950	1.00 44.55 1.00 44.55	C
MOTA MOTA	5410 5411	С 0	LEU C 2			119.678 118.892	11.762 12.667	1.00100.07 1.00100.07	C
ATOM	5412	N	LEU C 2	42	78.771	119.671	10.579	1.00 72.59	С
ATOM ATOM	5413 5414	CA CB	LEU C 2	42	76.519	118.654 119.298	10.245 9.674	1.00 72.59 1.00 85.83	C
ATOM ATOM	5415 5416	CG CD1	LEU C 2			119.902 120.948	10.779 11.554	1.00 85.83 1.00 85.83	C
ATOM ATOM	5417 5418		LEU C 2	42	74.388	120.509 117.697	10.172 9.249	1.00 85.83 1.00 72.59	Ċ
ATOM	5419	0	LEU C 2	42	77.998	117.494	8.115	1.00 72.59	C
ATOM ATOM	5420 5421	N CA	ARG C 2 ARG C 2			117.142 116.195	9.747 9.107	1.00 80.45 1.00 80.45	C
ATOM	5422	СВ	ARG C 2			115.021	10.066	1.00100.07	C

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                      ARG C 243
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ALA C 253
ALA C 253
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1.47

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MOTA	5509	CD2		74.029 120.414 5.586 1.00 10.72	C
ATOM	5510	С	LEU C 254	70.335 122.252 3.959 1.00 81.03	C
ATOM	5511	0	LEU C 254	69.256 121.962 4.482 1.00 81.03	С
MOTA	5512	N	ALA C 255	70.875 123.469 4.023 1.00 39.51	C
ATOM	5513	CA	ALA C 255	70.185 124.579 4.670 1.00 39.51	C
ATOM	5514	CB	ALA C 255	71.140 125.786 4.834 1.00 16.33	č
MOTA	5515	c	ALA C 255	69.057 124.878 3.664 1.00 39.51	Č
ATOM	5516	ō	ALA C 255	68.135 125.649 3.919 1.00 39.51	c
ATOM	5517	N	TYR C 256	69.154 124.224 2.510 1.00 72.15	C
ATOM	5518	CA	TYR C 256	68.158 124.340 1.455 1.00 72.15	С
MOTA	5519	CB	TYR C 256	68.586 123.493 0.247 1.00100.07	С
MOTA	5520	CG	TYR C 256	68.440 124.166 -1.112 1.00100.07	С
ATOM	5521	CD1	TYR C 256	69.177 125.309 -1.437 1.00100.07	С
ATOM	5522	CE1	TYR C 256	69.056 125.920 -2.704 1.00100.07	C
MOTA	5523	CD2	TYR C 256	67.575 123.647 -2.084 1.00100.07	С
ATOM	5524	CE2	TYR C 256	67.447 124.250 -3.352 1.00100.07	С
ATOM	5525	CZ	TYR C 256	68.188 125.385 -3.654 1.00100.07	Ċ
ATOM	5526	OH	TYR C 256	68.051 125.988 -4.889 1.00100.07	č
ATOM	5527	C	TYR C 256	66.905 123.752 2.106 1.00 72.15	č
	5528	o	TYR C 256		Ċ
ATOM					
ATOM	5529	N	LEU C 257	67.103 123.209 3.303 1.00 82.61	Č
ATOM	5530	CA	LEU C 257	66.042 122.616 4.107 1.00 82.61	C
MOTA	5531	CB	LEU C 257	66.359 121.153 4.437 1.00100.07	C
ATOM	5532	CG	LEU C 257	66.487 120.060 3.373 1.00100.07	С
ATOM	5533	CD1	LEU C 257	66.967 118.776 4.050 1.00100.07	С
MOTA	5534	CD2	LEU C 257	65.161 119.825 2.685 1.00100.07	С
ATOM	5535	С	LEU C 257	66.001 123.419 5.407 1.00 82.61	С
ATOM	5536	0	LEU C 257	65.991 124.650 5.369 1.00 82.61	C
ATOM	5537	N	PHE C 258	65.991 122.708 6.541 1.00 51.05	č
ATOM	5538	CA	PHE C 258	65.976 123.303 7.877 1.00 51.05	Ċ
	5539	CB	PHE C 258	67.381 123.254 8.482 1.00 99.09	c
ATOM					
ATOM	5540	CG		68.011 121.890 8.464 1.00 99.09	C
ATOM	5541	CD1		68.064 121.142 7.290 1.00 99.09	C
ATOM	5542	CD2		68.599 121.372 9.614 1.00 99.09	C
ATOM	5543		PHE C 258	68.691 119.896 7.258 1.00 99.09	Ç
ATOM	5544	CE2		69.231 120.126 9.597 1.00 99.09	С
MOTA	5545	CZ	PHE C 258	69.280 119.387 8.414 1.00 99.09	C
ATOM	5546	C	PHE C 258	65.498 124.757 7.841 1.00 51.05	С
ATOM	5547	0	PHE C 258	66.114 125.655 8.430 1.00 51.05	С
MOTA	5548	N	GLY C 259	64.391 124.979 7.145 1.00 53.98	С
ATOM	5549	CA	GLY C 259	63.862 126.316 7.019 1.00 53.98	С
ATOM	5550	С	GLY C 259	63.382 126.452 5.600 1.00 53.98	С
ATOM	5551	0	GLY C 259	62.180 126.551 5.364 1.00 53.98	С
ATOM	5552	N	LEU C 260	64.318 126.434 4.653 1.00 49.38	C
MOTA	5553	CA	LEU C 260	63.981 126.550 3.231 1.00 49.38	С
ATOM	5554	CB	LEU C 260	65.271 126.554 2.348 1.00 43.29	С
ATOM	5555	CG	LEU C 260	65.306 126.925 0.832 1.00 43.29	С
MOTA	5556	CD1	LEU C 260	66.711 127.330 0.447 1.00 43.29	С
ATOM	5557		LEU C 260	64.848 125.776 -0.058 1.00 43.29	C
ATOM	5558	С	LEU C 260	63.076 125.378 2.842 1.00 49.38	C
ATOM	5559	ō	LEU C 260	63.017 124.371 3.545 1.00 49.38	č
ATOM	5560	N	LEU C 261	62.372 125.551 1.726 1.00100.07	č
ATOM	5561	CA	LEU C 261	61.466 124.565 1.150 1.00100.07	Č
ATOM	5562	CB	LEU C 261	62.272 123.548 0.315 1.00 79.47	č
	-		LEU C 261		
ATOM	5563	CG CD1			C
MOTA	5564		LEU C 261	63.559 121.476 -0.194 1.00 79.47	C
ATOM	5565		LEU C 261	63.511 122.331 2.123 1.00 79.47	C
ATOM	5566	C	LEU C 261	60.552 123.835 2.130 1.00100.07	C
ATOM	5567	0	LEU C 261	60.971 123.425 3.209 1.00100.07	C
ATOM	5568	N	ALA C 262	59.289 123.683 1.740 1.00 66.60	C
ATOM	5569	CA	ALA C 262	58.306 122.982 2.557 1.00 66.60	С
ATOM	5570	CB	ALA C 262	56.894 123.410 2.173 1.00 19.85	C
ATOM	5571	С	ALA C 262	58.465 121.479 2.349 1.00 66.60	C
MOTA	5572	0	ALA C 262	57.476 120.754 2.215 1.00 66.60	C
MOTA	5573	N	ASP C 263	59.711 121.021 2.297 1.00 87.18	С
ATOM	5574	CA	ASP C 263	59.982 119.603 2.128 1.00 87.18	C
MOTA				61.383 119.377	_
	5575	CB	ASP C 263		C
ATOM		CG	ASP C 263	61.993 118.054 1.986 1.00 93.30	С
ATOM ATOM	5575	CG			С
	5575 5576	CG OD1	ASP C 263 ASP C 263 ASP C 263	61.993 118.054	С С
MOTA	5575 5576 5577	CG OD1	ASP C 263 ASP C 263	61.993 118.054	0 0 0 0
MOTA MOTA	5575 5576 5577 5578	CG OD1 OD2	ASP C 263 ASP C 263 ASP C 263	61.993 118.054	00000
ATOM ATOM ATOM	5575 5576 5577 5578 5579	CG OD1 OD2 C	ASP C 263 ASP C 263 ASP C 263 ASP C 263	61.993 118.054	00000
ATOM ATOM ATOM ATOM ATOM	5575 5576 5577 5578 5579 5580 5581	CG OD1 OD2 C O	ASP C 263 ASP C 263 ASP C 263 ASP C 263 ASP C 263 PRO C 264	61.993 118.054	000000
ATOM ATOM ATOM ATOM ATOM ATOM	5575 5576 5577 5578 5579 5580 5581 5582	CG OD1 OD2 C O N CD	ASP C 263 ASP C 263 ASP C 263 ASP C 263 PRO C 264 PRO C 264	61.993 118.054	0000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM	5575 5576 5577 5578 5579 5580 5581 5582 5583	CG OD1 OD2 C O N CD CA	ASP C 263 ASP C 263 ASP C 263 ASP C 263 ASP C 263 PRO C 264 PRO C 264	61.993 118.054	0000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	5575 5576 5577 5578 5579 5580 5581 5582 5583 5584	CG OD1 OD2 C O N CD CA CB	ASP C 263 ASP C 263 ASP C 263 ASP C 263 PRO C 264 PRO C 264 PRO C 264 PRO C 264	61.993 118.054 1.986 1.00 93.30 61.307 117.016 1.862 1.00 93.30 63.154 118.052 2.456 1.00 93.30 59.859 118.915 3.481 1.00 87.18 59.160 117.907 3.605 1.00 87.18 60.556 119.439 4.510 1.00100.07 61.872 120.081 4.360 1.00100.07 60.486 118.836 5.841 1.00100.07 61.847 118.156 5.957 1.00100.07	000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	5575 5576 5577 5578 5579 5580 5581 5582 5583 5584 5585	CG OD1 OD2 C O N CD CA CB	ASP C 263 ASP C 263 ASP C 263 ASP C 263 ASP C 264 PRO C 264 PRO C 264 PRO C 264 PRO C 264	61.993 118.054	00000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	5575 5576 5577 5578 5579 5580 5581 5582 5583 5584 5585 5586	CG OD1 OD2 C O N CD CA CB CG C	ASP C 263 ASP C 263 ASP C 263 ASP C 263 PRO C 264 PRO C 264 PRO C 264 PRO C 264 PRO C 264	61.993 118.054	000000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	5575 5576 5577 5579 5580 5581 5582 5583 5583 5583 5586 5587	CG OD1 OD2 C O N CD CA CB CG C	ASP C 263 ASP C 263 ASP C 263 ASP C 263 PRO C 264 PRO C 264	61.993 118.054	000000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	5575 5576 5577 5579 5580 5581 5582 5583 5584 5586 5587 5588	CG OD1 OD2 C O N CD CA CB CG C	ASP C 263 ASP C 263 ASP C 263 ASP C 263 PRO C 264 PRO C 264 LYS C 265	61.993 118.054	0000000000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	5575 5576 5577 5579 5580 5581 5582 5583 5583 5583 5586 5587	CG OD1 OD2 C O N CD CA CB CG C	ASP C 263 ASP C 263 ASP C 263 ASP C 263 PRO C 264 PRO C 264	61.993 118.054	000000000000

ATOM	5591	CG	LYS C 265	60.204 123.796 9.035 1.00 61.50	С
MOTA	5592	CD	LYS C 265	60.899 123.147 10.239 1.00 61.50	Ċ
MOTA	5593	CE	LYS C 265	61.087 124.124 11.387 1.00 61.50	C
MOTA	5594	NZ	LYS C 265	61.852 123.539 12.524 1.00 61.50	С
MOTA	5595	С	LYS C 265	57.807 122.536 7.242 1.00 72.31	С
MOTA	5596	0	LYS C 265	57.822 123.041 6.120 1.00 72.31	С
ATOM	5597	N	ARG C 266	56.732 122.573 8.025 1.00100.07	С
ATOM	5598	CA	ARG C 266	55.543 123.258 7.532 1.00100.07	С
MOTA	5599	CB	ARG C 266	54.941 122.482 6.353 1.00100.07	C
ATOM	5600	CG	ARG C 266	53.930 123.275 5.517 1.00100.07	C
ATOM	5601	CD	ARG C 266	53.633 122.575 4.186 1.00100.07	С
ATOM	5602	NE	ARG C 266	52.774 123.371 3.310 1.00100.07	C
ATOM	5603	cz	ARG C 266	52.493 123.057 2.049 1.00100.07	C
ATOM	5604	NH1	ARG C 266	53.005 121.959	C
ATOM	5605	NH2		51.707 123.846 1.325 1.00100.07	С
ATOM	5606	С	ARG C 266	54.447 123.558 8.540 1.00100.07	C
ATOM	5607	0	ARG C 266	53.804 124.607 8.454 1.00100.07	C
MOTA	5608	N	TYR C 267	54.234 122.656 9.496 1.00 84.65	C
MOTA	5609	CA	TYR C 267	53.173 122.841 10.490 1.00 84.65	C
MOTA	5610	CB	TYR C 267	53.466 124.029 11.401 1.00 86.36	C
MOTA	5611	CG	TYR C 267	54.922 124.194 11.775 1.00 86.36	c
MOTA	5612		TYR C 267	55.839 124.731 10.871 1.00 86.36 57.162 124.942 11.228 1.00 86.36	C
ATOM ATOM	5613 5614	CE1			C
ATOM	5615	CE2		55.374 123.868 13.048 1.00 86.36 56.696 124.078 13.416 1.00 86.36	Č
ATOM	5616	CZ	TYR C 267	57.583 124.616 12.504 1.00 86.36	c
ATOM	5617	OH	TYR C 267	58.890 124.827 12.867 1.00 86.36	č
ATOM	5618	C	TYR C 267	51.891 123.103 9.707 1.00 84.65	Č
ATOM	5619	õ	TYR C 267	50.884 123.568 10.255 1.00 84.65	Ċ
ATOM	5620	N	ALA C 268	51.984 122.803 8.409 1.00100.07	č
ATOM	5621	CA	ALA C 268	50.920 122.939 7.411 1.00100.07	Č
ATOM	5622	CB	ALA C 268	50.044 121.675 7.419 1.00100.07	C
ATOM	5623	C	ALA C 268	50.037 124.189 7.495 1.00100.07	Ċ
ATOM	5624	0	ALA C 268	48.819 124.080 7.718 1.00100.07	C
MOTA	5625	N	ALA C 269	50.646 125.361 7.283 1.00100.07	С
MOTA	5626	CA	ALA C 269	49.934 126.646 7.335 1.00100.07	С
MOTA	5627	CB	ALA C 269	49.281 126.949 5.977 1.00100.07	C
MOTA	5628	C	ALA C 269	48.875 126.637 8.440 1.00100.07	С
ATOM	5629	0	ALA C 269	47.958 127.469 8.452 1.00100.07	С
ATOM	5630	N	GLY C 270	49.030 125.682 9.360 1.00 89.18	C
ATOM	5631	CA	GLY C 270	48.118 125.515 10.469 1.00 89.18	C
ATOM	5632	C	GLY C 270	48.834 125.823 11.762 1.00 89.18	C
ATOM	5633	0	GLY C 270	50.049 125.625 11.875 1.00 89.18	C
ATOM	5634	N	ALA C 271	48.058 126.312 12.726 1.00 96.46	C
ATOM ATOM	5635 5636	CA CB	ALA C 271 ALA C 271	48.535 126.702 14.051 1.00 96.46 47.351 126.775 15.015 1.00 65.34	C C
ATOM	5637	CD	ALA C 271	47.351 126.775 15.015 1.00 65.34 49.624 125.792 14.615 1.00 96.46	C
ATOM	5638	Ö	ALA C 271	49.810 124.668 14.141 1.00 96.46	Č
MOTA	5639	N	ALA C 272	50.328 126.287 15.635 1.00 66.27	č
MOTA	5640	CA	ALA C 272	51.422 125.546 16.265 1.00 66.27	č
MOTA	5641	CB	ALA C 272	50.971 124.154 16.673 1.00100.07	č
MOTA	5642	С	ALA C 272	52.488 125.464 15.199 1.00 66.27	С
MOTA	5643	0	ALA C 272	52.524 124.527 14.402 1.00 66.27	C
ATOM	5644	N	GLY C 273	53.360 126.458 15.201 1.00 72.04	C
ATOM	5645	CA	GLY C 273	54.401 126.555 14.199 1.00 72.04	С
ATOM	5646	C	GLY C 273	54.035 127.902 13.644 1.00 72.04	C
ATOM	5647	0	GLY C 273	54.708 128.483 12.797 1.00 72.04	C
ATOM	5648	N	ALA C 274	52.916 128.381 14.178 1.00 17.99	C
ATOM	5649 5650	CA	ALA C 274 ALA C 274	52.341 129.672 13.865 1.00 17.99 51.802 129.688 12.429 1.00 26.15	C
ATOM ATOM	5651	CB C	ALA C 274	51.802 129.688 12.429 1.00 26.15 51.211 129.906 14.874 1.00 17.99	C C
ATOM	5652	Ö	ALA C 274	51.170 129.285 15.951 1.00 17.99	Ċ
ATOM	5653	N	ALA C 275	50.305 130.808 14.509 1.00100.07	č
ATOM	5654	CA	ALA C 275	49.160 131.172 15.331 1.00100.07	č
MOTA	5655	CB	ALA C 275	47.865 130.813 14.600 1.00 36.93	С
ATOM	5656	С	ALA C 275	49.172 130.551 16.728 1.00100.07	C
MOTA	5657	0	ALA C 275	49.986 130.940 17.570 1.00100.07	C
ATOM	5658	N	ALA C 276	48.281 129.580 16.950 1.00 99.84	C
ATOM	5659	CA	ALA C 276	48.108 128.890 18.236 1.00 99.84	С
ATOM	5660	CB	ALA C 276	47.739 127.437 18.016 1.00 5.07	C
ATOM	5661	C	ALA C 276	49.263 128.956 19.207 1.00 99.84	C
ATOM	5662	0	ALA C 276	49.059 128.866 20.417 1.00 99.84	C
ATOM	5663	N	ALA C 277	50.477 129.090 18.693 1.00 75.88	C
ATOM	5664 5665	CA	ALA C 277 ALA C 277	51.622 129.160 19.574 1.00 75.88	C
ATOM	5666	CB C	ALA C 277	52.113 127.747 19.908 1.00100.07 52.756 129.983 18.998 1.00 75.88	c c
ATOM ATOM	5667	0	ALA C 277	53.021 131.091 19.463 1.00 75.88	c
ATOM	5668	И	ALA C 278	53.428 129.426 17.994 1.00 47.49	c
MOTA	5669	CA	ALA C 278	54.558 130.089 17.371 1.00 47.49	č
MOTA	5670	CB	ALA C 278	54.720 129.613 15.966 1.00 23.99	c
MOTA	5671	c	ALA C 278	54.351 131.588 17.394 1.00 47.49	С
ATOM	5672	ō	ALA C 278	54.982 132.291 18.189 1.00 47.49	č
ATOM	5673	N	GLU C 279	53.454 132.069 16.534 1.00100.07	C
MOTA	5674	CA	GLU C 279	53.156 133.493 16.458 1.00100.07	С

ATOM	5675	CB GLU	C 279	52.197	133.787	15.298	1.00100.07	С
ATOM	5676	CG GLU		52.880	133.871	13.939	1.00100.07	Ċ
ATOM	5677	CD GLU		51.981	134.458	12.859	1.00100.07	C
ATOM	5678	OE1 GLU		51.425		13.075	1.00100.07	č
MOTA	5679	OE2 GLU		51.838		11.791	1.00100.07	č
	5680	C GLU		52.567		17.762	1.00100.07	G
ATOM								
ATOM	5681	O GLU		52.471		17.960	1.00100.07	C
MOTA	5682	N LYS		52.175		18.657	1.00 81.12	C
ATOM	5683	CA LYS		51.618		19.928	1.00 81.12	C
ATOM	5684	CB LYS		50.574		20.431	1.00 49.89	С
ATOM	5685	CG LYS	C 280	49.621		21.430	1.00 49.89	C
ATOM	5686	CD LYS	C 280	49.261		21.000	1.00 49.89	С
ATOM	5687	CE LYS	C 280	48.687	134.698	19.577	1.00 49.89	С
ATOM	5688	NZ LYS	C 280	48.550	136.094	19.073	1.00 49.89	С
ATOM	5689	C LYS	C 280	52.696	133.742	20.983	1.00 81.12	С
MOTA	5690	O LYS	C 280	52.419	133.738	22.181	1.00 81.12	С
ATOM	5691	N LEU	C 281	53.925	133.908	20.508	1.00 61.88	C
ATOM	5692	CA LEU		55.108	134.127	21.334	1.00 61.88	С
MOTA	5693	CB LEU		55.520	132.839	22.056	1.00 76.71	C
ATOM	5694	CG LEU		54.539		23.087	1.00 76.71	Ċ
ATOM	5695	CD1 LEU		55.055		23.676	1.00 76.71	C
ATOM	5696	CD2 LEU		54.333		24.168	1.00 76.71	Ċ
ATOM	5697	C LEU		56.170	134.524	20.321	1.00 61.88	č
ATOM	5698	O LEU		57.237	133.905	20.232	1.00 61.88	č
ATOM	5699	N GLY		55.844		19.534	1.00 89.14	č
ATOM	5700	CA GLY		56.754		18.505	1.00 89.14	č
MOTA	5701	C GLY		56.138	137.047	17.556	1.00 89.14	č
ATOM	5702	O GLY		56.759	137.462	16.570	1.00 89.14	č
ATOM	5703	N VAL		54.903	137.439	17.851	1.00 88.20	Ċ
	5704			54.199		17.052		C
ATOM			C 283				1.00 88.20	c
ATOM	5705	CB VAL		55.091		16.821	1.00100.07	Ċ
ATOM	5706		C 283	54.280	140.781	16.169	1.00100.07	
ATOM	5707	CG2 VAL			140.135	18.145	1.00100.07	C
ATOM	5708		C 283	53.714		15.699	1.00 88.20	Č
ATOM	5709	O VAL		52.506	137.821	15.460	1.00 88.20	C
ATOM	5710	N GLY		54.648	137.582	14.812	1.00 54.85	C
ATOM	5711	CA GLY		54.254		13.497	1.00 54.85	С
MOTA	5712	C GLY		55.070		12.939	1.00 54.85	C
MOTA	5713	O GLY		55.853	135.323	13.657	1.00 54.85	C
MOTA	5714		C 285	54.859	135.682	11.651	1.00 56.96	С
MOTA	5715		C 285	55.566		10.938	1.00 56.96	С
ATOM	5716	CB LEU		55.563	133.330	11.769	1.00 65.06	C
ATOM	5717	CG LEU		56.924		12.073	1.00 65.06	С
ATOM	5718	CD1 LEU	C 285	56.706	131.522	12.993	1.00 65.06	C
ATOM	5719	CD2 LEU	C 285	57.614	132.256	10.793	1.00 65.06	C
ATOM	5720	C LEU	C 285	54.972	134.331	9.554	1.00 56.96	C
ATOM	5721	O LEU	C 285	54.267	135.165	8.979	1.00 56.96	С
ATOM	5722	n ser	C 286	55.274	133.141	9.034	1.00100.07	C
MOTA	5723	CA SER	C 286	54.802	132.695	7.723	1.00100.07	C
ATOM	5724	CB SER	C 286	55.404	133.573	6.614	1.00 92.37	С
ATOM	5725	OG SER	C 286	55.095	134.946	6.798	1.00 92.37	C
MOTA	5726	C SER	C 286	55.214	131.237	7.485	1.00100.07	C
ATOM	5727	O SER	C 286	56.104	130.971	6.680	1.00100.07	C
ATOM	5728		C 287	54.575	130.295	8.172	1.00 81.48	С
ATOM	5729	CA GLY		54.944	128.903	7.985	1.00 81.48	C
ATOM	5730	C GLY		56.365	128.649	8.468	1.00 81.48	С
MOTA	5731	O GLY		56.907	129.455	9.227	1.00 81.48	C
ATOM	5732	n ala	C 288	56.969	127.546	8.018	1.00 69.71	C
ATOM	5733	CA ALA	C 288	58.337	127.125	8.393	1.00 69.71	С
ATOM	5734	CB ALA	C 288		126.395	7.223	1.00 54.40	- C
MOTA	5735		C 288	59.338		8.952	1.00 69.71	С
MOTA	5736		C 288	59.283		8.681	1.00 69.71	С
ATOM	5737	N THR	C 289	60.280	127.602	9.717	1.00100.07	C
ATOM	5738		C 289	61.337		10.358	1.00100.07	С
ATOM	5739		C 289	62.183		11.290	1.00 67.47	C
ATOM	5740	OG1 THR		61.347	126.892	12.301	1.00 67.47	C
ATOM	5741	CG2 THR	C 289	63.286	128.261	11.947	1.00 67.47	C
ATOM	5742		C 289		128.994	9.337	1.00100.07	С
ATOM	5743		C 289		128.384	8.307	1.00100.07	С
ATOM	5744		C 290		130.208	9.631	1.00 25.23	С
MOTA	5745	CA LEU		63.710		8.770	1.00 25.23	С
ATOM	5746	CB LEU		65.067		8.929	1.00100.07	С
ATOM	5747		C 290		130.717	8.087	1.00100.07	С
ATOM	5748	CD1 LEU			132.100	8.534	1.00100.07	С
ATOM	5749	CD2 LEU		67.374	129.727	8.248	1.00100.07	C
MOTA	5750	C LEU	C 290		130.942	7.287	1.00 25.23	С
ATOM	5751		C 290		129.891	6,671	1.00 25.23	С
ATOM	5752		C 291	63.195	132.131	6.703	1.00100.07	C
MOTA	5753		C 291		132.202	5.282	1.00100.07	С
ATOM	5754		C 291		133.652	4.797	1.00 71.19	С
ATOM	5755	CG1 VAL			133.642	3.403	1.00 71.19	С
ATOM	5756	CG2 VAL	C 291		134.407	5.767	1.00 71.19	С
ATOM	5757	C VAL	C 291		131.577	4.532	1.00100.07	C
	5758		C 291	64.780	130.797	5.119	1.00100.07	С
ATOM	3,50							

ATOM	5759	N	ALA C	292	64.215	131.905	3.254	1.00100.07		С
ATOM	5760	CA	ALA C	292	65.321	131.299	2.513	1.00100.07		C
ATOM	5761	CB	ALA C	292	65.063	129.801	2.355	1.00100.07		C
					65.684					
ATOM	5762	C	ALA C				1.154	1.00100.07		C
ATOM	5763	0	ALA C	292	65.429	133.061	0.867	1.00100.07		C
ATOM	5764	N	ALA C	293	66.299	131.038	0.335	1.00100.07		С
ATOM	5765	CA	ALA C	293	66.748		-1.008	1.00100.07		Č
ATOM	5766	CB	ALA C	293	66.909	130.084	-1.819	1.00 63.42		С
ATOM	5767	С	ALA C	293	65.845	132.360	-1.755	1.00100.07		C
ATOM	5768	ō	ALA C		64.958		-2.524	1.00100.07		
										C
MOTA	5769	N	GLU C	294	66.087	133.647	-1.523	1.00 99.91		С
ATOM	5770	CA	GLU C	294	65.330	134.712	-2.168	1.00 99.91		С
ATOM	5771	CB	GLU C	294	64.719		-1.119	1.00100.07		č
ATOM	5772	CG	GLU C	294	63.552	135.032	-0.378	1.00100.07		С
ATOM	5773	CD	GLU C	294	62.824	136.059	0.451	1.00100.07		С
ATOM	5774			294		135.751	0.933	1.00100.07		Ċ
ATOM	5775	OE2	GLU C	294	63.372	137.173	0.617	1.00100.07		С
MOTA	5776	С	GLU C	294	66.284	135.504	-3.037	1.00 99.91		С
		ŏ		294	66.307					č
ATOM	5777		GLU C				-4.261	1.00 99.91		
ATOM	5778	N	ASP C	295	67.065	136.348	-2.380	1.00 95.05		С
MOTA	5779	CA	ASP C	295	68.054	137.153	-3.060	1.00 95.05		C
ATOM	5780	CB		295		138.580	-2.516	1.00100.07		č
ATOM	5781	CG	ASP C	295	00.021	139.158	-2.449	1.00100.07		С
MOTA	5782	OD1	ASP C	295	65.914	139.028	-3.448	1.00100.07		C
ATOM	5783	OD2	ASP C	295		139.746	-1.402	1.00100.07		Ċ
ATOM	5784	С	ASP C	295		136.492	-2.758	1.00 95.05		С
ATOM	5785	0	ASP C	295	70.361	136.646	-3.506	1.00 95.05		С
ATOM	5786	N		296	69.431	135.749	-1.653	1.00100.07		С
ATOM	5787	CA	GLY C	296	70.645	135.064	-1.244	1.00100.07		С
ATOM	5788	С	GLY C	296	70.417	134.198	-0.018	1.00100.07		C
ATOM	5789	0	GLY C	296	69.728	133.180	-0.092	1.00100.07		С
MOTA	5790	N	ALA C	297	70.989	134.597	1.114	1.00100.03		C
ATOM	5791	CA	ALA C	297	70.835	133.835	2.348	1.00100.03		С
ATOM	5792	CB	ALA C	297	71.762	134.378	3.425	1.00 32.08		С
MOTA	5793	C	ALA C	297	69.397	133.907	2.822	1.00100.03		С
ATOM	5794	0	ALA C	297	68.624	134.743	2.355	1.00100.03		С
ATOM	5795	N	ALA C	298	69.040	133.030	3.750	1.00 52.31		С
ATOM	5796	CA		298	67.687	133.016	4.283	1.00 52.31		С
ATOM	5797	CB	ALA C	298	67.437	131.684	4.964	1.00100.07		C
ATOM	5798	C	ALA C	298	67.547	134.166	5.287	1.00 52.31		С
ATOM	5799	0	ALA C	298	68.532	134.849	5.577	1.00 52.31		C
ATOM	5800	N	LYS C	299	66.337	134.409	5.795	1.00 94.40		С
MOTA	5801	CA	LYS C	299	66.154	135.450	6.815	1.00 94.40		С
										č
ATOM	5802	CB	LYS C	299	65.529	136.722	6.242			
ATOM	5803	CG	LYS C	299	65.443	137.853	7.288	1.00 99.97		С
ATOM	5804	CD	LYS C	299	66.813	138.136	7.929	1.00 99.97		С
ATOM	5805	CE	LYS C	299		139.280	8.934	1.00 99.97		C
ATOM	5806	NZ	LYS C	299	68.101	139.620	9.472	1.00 99.97		С
ATOM	5807	С	LYS C	299	65.301	134.950	7.981	1.00 94.40		С
ATOM	5808	ō	LYS C	299	64.147	134,557	7.797	1.00 94.40		Ċ
MOTA	5809	N	ALA C	300	65.879	134.975	9.181	1.00 78.57		C
ATOM	5810	CA	ALA C	300	65.192	134.493	10.372	1.00 78.57		С
ATOM	5811	CB	ALA C	300	65.948	134.906	11.623	1.00 37.12		С
MOTA	5812	С	ALA C	300	63.764	134.987	10.450	1.00 78.57		С
ATOM	5813	0	ALA C	300	63.427	136.021	9.870	1.00 78.57		С
ATOM	5814	N	GLU C	301	62.934	134.233	11.168	1.00100.07		С
		CA	GLU C	301	61.527	134.575	11.354	1.00100.07		Ĉ
ATOM	5815									
ATOM	5816	CB	GLU C	301	60.739	134.290	10.072	1.00 96.06		C
MOTA	5817	CG	GLU C	301	59.407	135.016	9.988	1.00 96.06		С
ATOM	5818	CD	GLU C	301	58 773	134.905	8.616	1.00 96.06	-	С
					50 AEA	125 220				
ATOM	5819		GLU C			135.229	7.621	1.00 96.06		Č
MOTA	5820	OE2		301	57.595	134.501	8.533	1.00 96.06		C
ATOM	5821	С	GLU C	301	60.944	133.776	12.522	1.00100.07		Ċ
ATOM	5822	ō	GLU C			133.840	12.796	1.00100.07		C
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ATOM	5823	N	VAL C	302		133.030	13.204	1.00 33.68		Ċ
ATOM	5824	CA	VAL C	302	61.427	132.210	14.351	1.00 33.68		С
ATOM	5825	CB	VAL C	302	61.028	130.774	13.930	1.00 36.28		C
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ATOM	5826	CG1			60.952	129.861	15.149	1.00 36.28		Ċ
ATOM	5827	CG2	VAL C	302	59.693	130.796	13.227	1.00 36.28		С
MOTA	5828	C		302	62.552	132.083	15.352	1.00 33.68		С
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ATOM	5829	0	VAL C	302	62.309	132.106	16.547	1.00 33.68		_
ATOM	5830	N	PHE C	303	63.782	131.965	14.868	1.00 65.41		С
MOTA	5831	CA		303		131.789	15.763	1.00 65.41		С
								1.00 34.09		Ċ
ATOM	5832	CB		303		131.736	14.960			~
ATOM	5833	CG	PHE C	303	66.554	130.360	14.558	1.00 34.09		Ċ,
ATOM	5834			303	66.046	129.814	13.399	1.00 34.09		C
	5835		PHE C	303		129.545	15.420	1.00 34.09		Ċ
ATOM										č
ATOM	5836			303	66.229		13.104	1.00 34.09		C
ATOM	5837	CE2	PHE C	303	67.453	128.191	15.136	1.00 34.09		С
ATOM	5838	CZ		303	66.931	127.653	13.976	1.00 34.09		C
										č
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ATOM	5842	CA	LEU C	304				1.00 61.39		С

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PRO C 305
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ARG C 308
ARG C 308
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CD2 TYR C 309
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CB PHE C 311
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CC5 PHE C 311
CC6 PHE C 311
CC7 PHE C 311
CC PHE C 311
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OD2 ASP C 342
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CD2 PHE C 386
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CD2 PHE C 394
CE1 PHE C 394
CE2 PHE C 394
CZ PHE C 394
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LYS C 395
LYS C 395
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OD2 ASP C 396
O ASP C 396
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CB GLU C 397
CG GLU C 397
OD1 GLU C 397
OD1 GLU C 397
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OE2 GLU C 397
OE GLU C 397
O GLU C 398
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CG THR C 399
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MOTA	6600	CB	ARG		37.15		25.300	1.00100.07	C
ATOM	6601	CG	ARG	C 405	38.471		25.985	1.00100.07	С
ATOM	6602	CD	ARG	C 405	39.043	3 98.062	25.331	1.00100.07	С
ATOM	6603	NE	ARG	C 405	40.331	97.622	25.879	1.00100.07	С
ATOM	6604	CZ	ARG	C 405	41.087	96.663	25.335	1.00100.07	С
ATOM	6605	NH1			40.690		24.232	1.00100.07	Č
ATOM	6606	NH2			42.242		25.890	1.00100.07	C
ATOM	6607	C	ARG				23.451		
					38.740			1.00 41.17	C
MOTA	6608	0	ARG		39.570		24.008	1.00 41.17	C
ATOM	6609	N		C 406	39.042		22.479	1.00 24.77	C
ATOM	6610	CA		C 406	40.404		22.030	1.00 24.77	C
ATOM	6611	CB	HIS	C 406	40.645	97.818	21.701	1.00 25.51	С
MOTA	6612	CG	HIS (C 406	42.032	97.532	21.235	1.00 25.51	C
MOTA	6613	CD2	HIS	2 406	43.080	96.957	21.867	1.00 25.51	C
ATOM	6614	ND1	HIS	2 406	42.466		19.966	1.00 25.51	C
MOTA	6615	CE1			43.721		19.836	1.00 25.51	C
ATOM	6616	NE2	HIS		44.118		20.973	1.00 25.51	č
MOTA	6617	C	HIS		40.785		20.850	1.00 24.77	č
ATOM	6618	ŏ	HIS		41.967		20.605	1.00 24.77	C
ATOM	6619	N	ALA (39.803		20.092	1.00 38.45	C
ATOM	6620	CA	ALA (40.115		18.970	1.00 38.45	С
MOTA	6621	CB	ALA (39.042		17.932	1.00 26.31	C
ATOM	6622	С	ALA (2 407	40.098		19.624	1.00 38.45	C
ATOM	6623	0	ALA (2 407	40.726	103.776	19.156	1.00 38.45	C
MOTA	6624	N	ARG (2 408	39.377	102.864	20.742	1.00 53.76	С
ATOM	6625	CA	ARG (408	39.171	104.055	21.549	1.00 53.76	C
MOTA	6626	CB	ARG (2 408	37.830	103.924	22.284	1.00 38.44	Ċ
ATOM	6627	CG	ARG (37.253		22.770	1.00 38.44	č
ATOM	6628	CD	ARG (35.952		23.549	1.00 38.44	Č
ATOM	6629	NE	ARG		35.174		23.554		c
	6630	CZ	ARG (1.00 38.44	
MOTA					34.881		22.447	1.00 38.44	C
ATOM	6631	NH1	ARG (35.300		21.260	1.00 38.44	C
MOTA	6632	NH2	ARG (34.181		22.516	1.00 38.44	C
ATOM	6633	C	ARG (40.308		22.543	1.00 53.76	C
ATOM	6634	0	ARG (40.254		23.276	1.00 53.76	C
ATOM	6635	N	ARG (41.324	103.471	22.588	1.00 53.14	С
ATOM	6636	CA	ARG (409	42.462	103.699	23.486	1.00 53.14	С
ATOM	6637	CB	ARG (409	43.333	102.453	23.647	1.00 56.81	C
ATOM	6638	CG	ARG (409	43.025	101.587	24.855	1.00 56.81	С
ATOM	6639	CD	ARG (44.033		24.942	1.00 56.81	C
ATOM	6640	NE	ARG (43.760		26.040	1.00 56.81	č
ATOM	6641	CZ	ARG (44.543		26.377	1.00 56.81	č
ATOM	6642	NH1			45.671		25.710	1.00 56.81	č
ATOM	6643	NH2	ARG C		44.179		27.373	1.00 56.81	Č
		C	ARG (43.294				c
ATOM	6644						22.838	1.00 53.14	
MOTA	6645	0	ARG (43.048		21.689	1.00 53.14	C
ATOM	6646	N	ILE (44.298		23.553	1.00 27.33	C
MOTA	6647	CA	ILE (45.130		23.024	1.00 27.33	C
ATOM	6648	CB	ILE (44.672		23.598	1.00 41.58	C
ATOM	6649	CG2	ILE (45.571		23.096	1.00 41.58	С
MOTA	6650	CG1	ILE (43.220		23.202	1.00 41.58	C
ATOM	6651	CD	ILE (410	42.743	109.335	23.544	1.00 41.58	č
ATOM	6652	C	ILE (2 410	46.597	106.159	23.350	1.00 27.33	C
ATOM	6653	0	ILE (410	47.265	105.263	22.832	1.00 27.33	С
ATOM	6654	N	SER C	411	47,079	107.058	24.199	1.00 36.52	C
ATOM	6655	CA	SER C	411	48.443	107.066	24.691	1.00 36.52	C
ATOM	6656	CB	SER C	411	48.400	106.733	26.185	1.00 62.16	С
ATOM	6657	OG	SER C			106.239	26.551	1.00 62.16	Ċ
MOTA	6658	C	SER C			106.110	23.959	1.00 36.52	- C
ATOM	6659	ō	SER C		49.423		22.732	1.00 36.52	Č
MOTA	6660	N	ALA C		50.137		24.743	1.00 64.92	č
ATOM	6661	CA	ALA C		51.079		24.227	1.00 64.92	C
ATOM	6662	CB	ALA C			103.585	23.073	1.00 18.77	č
ATOM	6663	C	ALA C			104.989	23.780	1.00 64.92	Č
ATOM	6664	ō	ALA C			104.389			C
							23.356	1.00 64.92	C
ATOM	6665	N	ALA C			104.215	23.888	1.00 57.15	C
ATOM	6666	CA	ALA C			104.668	23.478	1.00 57.15	C
ATOM	6667	CB	ALA C			103.618	23.849	1.00 81.91	C
ATOM	6668	С	ALA C			104.895	21.966	1.00 57.15	С
ATOM	6669	0	ALA C			103.955	21.195	1.00 57.15	С
ATOM	6670	N	ALA C			106.145	21.552	1.00100.07	С
ATOM	6671	CA	ALA C	414	54.538	106.498	20.131	1.00100.07	C
ATOM	6672	CB	ALA C			107.936	19.969	1.00 67.08	C
ATOM	6673	C	ALA C			106.348	19.372	1.00100.07	Ċ
ATOM	6674	ō	ALA C			105.470	19.669	1.00100.07	Ċ
MOTA	6675	N	ALA C			107.211	18.376	1.00100.07	č
ATOM	6676	CA	ALA C			107.199	17.560	1.00100.07	Č
ATOM	6677	CB	ALA C			107.199	16.240	1.00100.07	C
						107.868			C
ATOM	6678	C	ALA C				18.312	1.00100.07	~
ATOM	6679	0	ALA C			108.439	19.388	1.00100.07	C
ATOM	6680	N	ALA C			107.791	17.731	1.00100.07	Ç
ATOM	6681	CA	ALA C			108.364	18.326	1.00100.07	C
ATOM	6682	CB	ALA C	416	61.988	108.113	17.413	1.00 91.00	С

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CB GLU C 421
CB GLU C 421
CD GLU C 421
OE2 GLU C 421
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OE4 C 421
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O GLU C 421
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C VAL C 427
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VAL C 430
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ATOM
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ATOM	6769	C	VAL C		52.303		33.586	1.00 99.88	Ċ
MOTA	6770	ō	VAL C		51.216		33.634	1.00 99.88	Ċ
ATOM	6771	N	HIS C		52,454		33.861	1.00100.07	Ċ
ATOM	6772	CA	HIS C		51.354		34.247	1.00100.07	C
ATOM	6773	CB	HIS C		51.844		35.282	1.00 87.20	С
ATOM	6774	CG		431	52.949		34.794	1.00 92.95	С
ATOM	6775		HIS C			107.443	35.219	1.00 92.95	С
ATOM	6776		HIS C		52.777		33.783	1.00 92.95	C
ATOM	6777		HIS C		53.898		33.615	1.00 92.95	Ċ
ATOM	6778		HIS C		54.792		34.475	1.00 92.95	С
ATOM	6779	C	HIS C			110.239	34.801	1.00100.07	С
ATOM	6780	ō	HIS C		48.986		34.373	1.00100.07	C
ATOM	6781	N	ALA C			111.163	35.732	1.00 61.37	C
ATOM	6782	CA	ALA C		49.251		36.361	1.00 61.37	С
ATOM	6783	CB	ALA C		49.822		37.203	1.00 46.95	Ċ
ATOM	6784	Ċ	ALA C	432	48.207		35.392	1.00 61.37	С
MOTA	6785	0	ALA C	432	48.404	112.472	34.183	1.00 61.37	С
ATOM	6786	N	THR C	433	47.085	112.878	35.961	1.00 38.18	С
MOTA	6787	CA	THR C	433	45.957	113.422	35.223	1.00 38.18	C
ATOM	6788	CB	THR C	433	44.633	112.950	35.844	1.00100.07	С
MOTA	6789	OG1	THR C	433	44.466	111.549	35.615	1.00 99.58	C
ATOM	6790	CG2	THR C	433	43.475	113.708	35.239	1.00 99.58	С
ATOM	6791	C	THR C		45.934		35.267	1.00 38.18	С
ATOM	6792	0	THR C	433	45.799	115.511	36.341	1.00 38.18	C
ATOM	6793	N	HIS C	434	46.036	115.599	34.115	1.00 47.33	С
MOTA	6794	CA	HIS C	434	45.987		34.063	1.00 47.33	C
MOTA	6795	CB	HIS C	434	46.633	117.561	32.780	1.00 82.00	C
ATOM	6796	CG	HIS C	434	46.170	116.837	31.555	0.00 35.70	C
ATOM	6797	CD2	HIS C	434	45.518	117.270	30.452	0.00 35.70	С
ATOM	6798	ND1	HIS C	434	46.373	115.484	31.372	0.00 35.70	C
ATOM	6799	CE1	HIS C	434	45.867	115.121	30.205	0.00 35.70	С
MOTA	6800	NE2	HIS C	434	45.344	116.188	29.628	0.00 35.70	C
ATOM	6801	C	HIS C		44.527		34.095	1.00 47.33	C
MOTA	6802	0		434	43.638		33.868	1.00 47.33	C
ATOM	6803	N	TYR C		44.262		34.373	1.00 99.57	С
MOTA	6804	CA	TYR C	435	42.878		34.416	1.00 99.57	С
MOTA	6805	CB	TYR C		42.759		34.975	1.00 14.53	С
MOTA	6806	CG	TYR C		43.626		34.293	0.00 5.07	C
ATOM	6807		TYR C		43.315		33.017	0.00 5.07	Ç
ATOM	6808	CE1		435	44.090		32.394	0.00 5.07	Č
ATOM	6809	CD2			44.745		34.931	0.00 5.07	C
ATOM	6810	CE2			45.532		34.318	0.00 5.07	C
ATOM	6811	CZ	TYR C		45.199		33.050	0.00 5.07	C
ATOM	6812	OH	TYR C		45.974 42.235		32.444 33.044	0.00 5.07 1.00 99.57	C
ATOM ATOM	6813 6814	С 0	TYR C		41.220		32.785	1.00 99.57	Ċ
		N	GLY C		42.857		32.763	1.00 98.61	Č
ATOM	6815 6816	CA	GLY C	436	42.294		30.848	1.00 98.61	c
MOTA MOTA	6817	CA	GLY C	436	41.415		30.959	1.00 98.61	Č
ATOM	6818	õ	GLY C		41.855		30.711	1.00 98.61	č
MOTA	6819	N	ARG C		40.179		31.394	1.00 99.71	č
ATOM	6820	CA	ARG C	437		115.988	31.507	1.00 99.71	č
ATOM	6821	CB	ARG C	437	38.003		32.273	1.00100.07	Ċ
ATOM	6822	CG	ARG C		37.352		31.791	1.00100.07	Ċ
ATOM	6823	CD	ARG C	437	36.442		32.869	1.00100.07	č
ATOM	6824	NE	ARG C			119.628	32.651	1.00100.07	C
ATOM	6825	CZ	ARG C			120.458	33.591	1.00100.07	С
ATOM	6826	NH1	ARG C	437	35.495	120.013	34.824	1.00100.07	- C
ATOM	6827		ARG C			121.738	33.301	1.00100.07	C
ATOM	6828	С	ARG C	437	38.911	115.619	30.087	1.00 99.71	С
ATOM	6829	0	ARG C	437	39.340	116.291	29.153	1.00 99.71	С
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MOTA	6832	CB	ILE C			114.995	27.490	1.00 29.55	C
MOTA	6833	CG2	ILE C	438		114.232	26.265	1.00 29.55	C
MOTA	6834	CG1				115.841	27.283	1.00 29.55	C
MOTA	6835	CD	ILE C			115.015	27.267	1.00 29.55	Ċ
ATOM	6836	C	ILE C			112.745	28.413	1.00100.07	C
ATOM	6837	0	ILE C			111.656	28.146	1.00100.07	C
MOTA	6838	N	CYS C			112.902	28.468	1.00 91.77	C
ATOM	6839	CA	CYS C			1,11.749	28.358	1.00 91.77	C
ATOM	6840	CB	CYS C			112.179	28.355	1.00 75.81	Ċ
ATOM	6841	SG		439		110.833	28.162	1.00 75.81	C
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ATOM	6843	0	CYS C			111.762	30.726	1.00 91.77	C
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MOTA	6845	CD	PRO C			108.921	28.767	1.00100.07	C
ATOM	6846	CA	PRO C			109.060	30.878	1.00 40.33	C
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ATOM	6848	CG	PRO C			107.820	29.692	1.00100.07	C C
MOTA	6849 6850	C	PRO C	440		109.507 109.953	32.155 32.160	1.00 40.33	c
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PRO C 470
PRO C 470
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CA TYR C 471
CB TYR C 471
CG TYR C 471
CD1 TYR C 471
CE1 TYR C 471
CD2 TYR C 471
CD2 TYR C 471
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NH2 ARG C 472
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C ARG C 472
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VAL C 475
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GLY C 478
ALA C 479
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MOTA	7110	õ	ALA C 482	37.091 121.		1.00 70.79	C
ATOM	7111	N	ALA C 483	37.990 123.	562 22.313	1.00 39.85	C
ATOM ATOM	7112 7113	CA CB	ALA C 483 ALA C 483	39.346 123. 40.277 123.		1.00 39.85 1.00 66.62	C
ATOM	7114	c	ALA C 483	39.744 123.		1.00 39.85	C
ATOM	7115	0	ALA C 483	39.102 123.		1.00 39.85	C
ATOM ATOM	7116 7117	N CA	ALA C 484 ALA C 484	40.789 122. 41.210 122.		1.00 45.49 1.00 45.49	C C
ATOM	7118	СВ	ALA C 484	42.503 121.		1.00 83.60	С
ATOM	7119	C	ALA C 484 ALA C 484	41.432 123.		1.00 45.49	С
ATOM ATOM	7120 7121	O N	ALA C 484	41.262 124. 41.788 124.		1.00 45.49 1.00 62.49	C
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ATOM ATOM	7123 7124	CB C	ALA C 485 ALA C 485	42.387 126. 40.939 126.		1.00 75.01	C
ATOM	7125	Ö	ALA C 485	41.170 127.		1.00 62.49 1.00 62.49	C
ATOM	7126	N	ALA C 486	39.721 126.	224 25.735	1.00 68.78	С
ATOM ATOM	7127 7128	CA CB	ALA C 486 ALA C 486	38.613 126. 37.278 126.		1.00 68.78 1.00 45.92	C
ATOM	7129	c	ALA C 486	38.856 126.		1.00 68.78	С
ATOM	7130	0	ALA C 486	38.016 126.		1.00 68.78	C
ATOM ATOM	7131 7132	N CA	ALA C 487 ALA C 487	40.039 127. 40.446 127.		1.00100.07	C
ATOM	7133	CB	ALA C 487	41.950 126.	961 29.820	1.00 8.81	C
ATOM ATOM	7134 7135	C O	ALA C 487 ALA C 487	40.123 128. 40.944 129.		1.00100.07	C
ATOM	7136	N	ALA C 488	38.918 129.		1.00100.07	C
ATOM	7137	CA	ALA C 488	38.450 130.	394 30.411	1.00100.07	C
ATOM ATOM	7138 7139	CB C	ALA C 488 ALA C 488	38.844 131. 36.930 130.		1.00 44.69 1.00100.07	C
ATOM	7140	ō	ALA C 488	36.400 129.		1.00100.07	c
ATOM	7141	N	ALA C 489	36.247 131.		1.00 77.46	C
ATOM ATOM	7142 7143	CA CB	ALA C 489 ALA C 489	34.791 131. 34.251 130.		1.00 77.46 1.00 50.89	C C
MOTA	7144	С	ALA C 489	34.006 131.	223 31.355	1.00 77.46	C
ATOM ATOM	7145 7146	O N	ALA C 489 ALA C 490	32.953 131. 34.500 130.		1.00 77.46 1.00 46.88	C C
ATOM	7147	CA	ALA C 490	33.826 130.		1.00 46.88	Ċ
ATOM	7148	CB	ALA C 490	33.077 131.		1.00 5.07	C
ATOM ATOM	7149 7150	C O	ALA C 490 ALA C 490	32.846 128. 31.669 129.		1.00 46.88 1.00 46.88	c c
ATOM	7151	N	ALA C 491	33.348 127.	788 33.014	1.00 51.44	C
ATOM ATOM	7152 7153	CA CB	ALA C 491 ALA C 491	32.547 126. 33.468 125.		1.00 51.44 1.00 61.55	C
ATOM	7154	C	ALA C 491	31.638 126.		1.00 51.44	Č
MOTA	7155	0	ALA C 491	32.079 126.		1.00 51.44	C
MOTA MOTA	7156 7157	N CA	ALA C 492 ALA C 492	30.379 125. 29.408 125.		1.00 44.47 1.00 44.47	C C
ATOM	7158	CB	ALA C 492	28.175 126.	339 34.676	1.00 47.73	С
ATOM ATOM	7159 7160	0	ALA C 492 ALA C 492	28.986 123.5 28.338 123.5		1.00 44.47 1.00 44.47	C C
ATOM	7161	N	ALA C 493	29.344 123.	195 35.638	1.00 80.97	č
ATOM ATOM	7162 7163	CA CB	ALA C 493 ALA C 493	29.065 121. 29.654 121.		1.00 80.97 1.00 41.43	
ATOM	7164	C	ALA C 493	27.593 121.		1.00 41.43	C
ATOM	7165	0	ALA C 493	26.718 122.		1.00 80.97	С
ATOM ATOM	7166 7167	N CA	ALA C 494 ALA C 494	27.343 120.3 25.995 119.0		1.00 52.40 1.00 52.40	C C
MOTA	7168	CB	ALA C 494	26.064 118.	183 34.567	1.00 11.52	C
MOTA MOTA	7169 7170	C O	ALA C 494 ALA C 494	25.155 119. 25.678 119.		1.00 52.40 1.00 52.40	C
ATOM	7171	N	ALA C 495	23.853 119.9		1.00 60.75	C
MOTA	7172	CA	ALA C 495	22.893 120.3		1.00 60.75	C
ATOM ATOM	7173 7174	CB C	ALA C 495 ALA C 495	23.368 119.4 22.643 121.0		1.00 29.87 1.00 60.75	C
ATOM	7175	0	ALA C 495	23.558 122.	500 37.380	1.00 60.75	c
ATOM ATOM	7176 7177	N CA	ALA C 496 ALA C 496	21.388 121.9 20.953 123.3		1.00 91.47 1.00 91.47	C
ATOM	7178	CB	ALA C 496	21.526 124.		1.00100.07	C
ATOM	7179	С	ALA C 496	19.432 123.3		1.00 91.47	C
ATOM ATOM	7180 7181	O N	ALA C 496 ALA C 497	18.737 123.8 18.955 122.		1.00 91.47 1.00100.07	00000000
ATOM	7182	CA	ALA C 497	17.541 122.5	36.513	1.00100.07	C
ATOM ATOM	7183 7184	CB C	ALA C 497 ALA C 497	17.111 121.1 16.518 123.5		1.00 69.36 1.00100.07	C C
MOTA	7185	ō	ALA C 497	16.255 123.5	570 38.301	1.00100.07	C
ATOM	7186	N	ALA C 498	15.932 124.3		1.00100.07	C

ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	7187 7188 7189 7190 7191 7192 7193 7194 7195 7196 7197 7202 7203 7204 7205 7206 7207 7208 7209 7210 7211 7212	CACCCONCACCCONCACCCONCACCCCONCACCCCONCACCCCCONCACCCCCONCACCCCCCCC	ALA C 498 ALA C 498 ALA C 498 ALA C 499 ALA C 499 ALA C 499 ALA C 499 ALA C 500 ALA C 500 ALA C 500 ALA C 501 ALA C 502 ALA C 503 ALA C 503 ALA C 503	14,913 125,352 36,579 1,00100.07 15,534 126,509 37,346 1.00 166.63 14,296 125,850 35,275 1.00100.07 14,681 126,900 34,752 1.00100.07 13,337 125,082 34,760 1.00100.07 12,665 125,397 33,497 1.00100.07 12,067 126,811 33,541 1.00100.07 13,732 125,300 32,412 1.00100.07 14,198 124,208 32,083 1.00100.07 14,108 126,445 31,858 1.00 75,11 15,155 126,509 30,850 1.00 75,11 14,578 126,921 29,504 1.00 75,11 17,127 127,884 30,767 1.00 75,11 15,755 128,109 32,553 1.00 84,78 16,515 129,157 33,237 1.00 84,78 15,555 130,250 33,722 1.00100.07 17,323 128,619 34,419 1.00 84,78 16,78	000000000000000000000000000000000000000
MOTA	7213	CB	ALA C 503	16.459 129.284 38.612 1.00100.07	С
ATOM ATOM	7214 7215	С О	ALA C 503 ALA C 503	18.399 128.645 40.042 1.00 99.79 17.743 127.655 40.386 1.00 99.79	C C
ATOM ATOM	7216 7217	N CA	ALA C 504 ALA C 504	19.518 129.028 40.649 1.00 99.95 20.092 128.337 41.799 1.00 99.95	C
ATOM ATOM	7218 7219	CB C	ALA C 504 ALA C 504	20.960 127.181 41.365 1.00 27.97	C
MOTA	7220	0	ALA C 504	21.435 129.226 43.562 1.00 99.95	C
MOTA MOTA	7221 7222	N CA	GLY C 505 GLY C 505	21.092 130.507 41.731 1.00 49.62 21.855 131.636 42.220 1.00 49.62	C
MOTA MOTA	7223 7224	C O	GLY C 505 GLY C 505	23.106 131.257 42.983 1.00 49.62 23.434 131.872 44.006 1.00 49.62	C
MOTA	7225	N	ALA C 506	23.797 130.235 42.483 1.00100.07	С
MOTA MOTA	7226 7227	CA CB	ALA C 506 ALA C 506	25.042 129.741 43.076 1.00100.07 24.738 128.744 44.194 1.00100.07	C
ATOM	7228	С	ALA C 506	25.861 129.072 41.965 1.00100.07	C
ATOM ATOM	7229 7230	O N	ALA C 506 ALA C 507	26.998 129.464 41.686 1.00100.07 25.266 128.062 41.338 1.00 69.47	C
ATOM ATOM	7231 7232	CA CB	ALA C 507 ALA C 507	25.898 127.355 40.239 1.00 69.47	C
ATOM	7233	С	ALA C 507	27.312 126.907 40.565 1.00 69.47	C
ATOM ATOM	7234 7235	O N	ALA C 507 ALA C 508	28.223 127.733 40.571 1.00 69.47 27.516 125.619 40.842 1.00 58.95	C
ATOM	7236 7237	CA CB	ALA C 508	28.880 125.157 41.123 1.00 58.95	C
MOTA MOTA	7238	С	ALA C 508 ALA C 508	28.894 123.738 41.710 1.00 5.07 29.537 125.155 39.765 1.00 58.95	C
ATOM ATOM	7239 7240	O N	ALA C 508 ALA C 509	28.899 124.805 38.771 1.00 58.95 30.796 125.557 39.696 1.00 36.57	C
ATOM	7241	CA	ALA C 509	31.445 125.563 38.396 1.00 36.57	C
ATOM ATOM	7242 7243	CB C	ALA C 509 ALA C 509	30.896 126.694 37.549 1.00 16.32 32.957 125.642 38.454 1.00 36.57	C
ATOM ATOM	7244 7245	O N	ALA C 509 ALA C 510	33.561 125.630 39.535 1.00 36.57 33.559 125.722 37.272 1.00 16.98	C
MOTA	7246	CA	ALA C 510	35.004 125.779 37.156 1.00 16.98 -	С
ATOM ATOM	7247 7248	CB C	ALA C 510 ALA C 510	35.538 124.450 36.616 1.00 80.19 35.442 126.906 36.250 1.00 16.98	C C
ATOM ATOM	7249 7250	O N	ALA C 510 ALA C 511	34.740 127.298 35.319 1.00 16.98 36.626 127.416 36.533 1.00 77.42	C
ATOM	7251	CA	ALA C 511	37.192 128.482 35.742 1.00 77.42	С
MOTA MOTA	7252 7253	CB	ALA C 511 ALA C 511	36.873 129.836 36.380 1.00 5.07 38.695 128.215 35.701 1.00 77.42	C
MOTA	7254	0	ALA C 511	39.383 128.268 36.725 1.00 77.42	C
ATOM ATOM	7255 7256	N CA	ALA C 512 ALA C 512	39.181 127.888 34.506 1.00 67.81 40.586 127.585 34.273 1.00 67.81	C
ATOM ATOM	7257 7258	CB C	ALA C 512 ALA C 512	41.474 128.721 34.786 1.00 94.60 40.970 126.270 34.933 1.00 67.81	C
MOTA	7259	0	ALA C 512	41.817 125.540 34.410 1.00 67.81	С С
ATOM ATOM	7260 7261	N CA	ALA C 513 ALA C 513	40.341 125.963 36.068 1.00 86.56 40.619 124.724 36.803 1.00 86.56	C
ATOM ATOM	7262 7263	CB C	ALA C 513 ALA C 513	42.117 124.620 37.101 1.00100.07	C
ATOM	7264	0	ALA C 513	39.083 123.666 38.326 1.00 86.56	С
ATOM ATOM	7265 7266	N CA	ALA C 514 ALA C 514	40.030 125.606 38.978 1.00 54.32 39.378 125.673 40.275 1.00 54.32	C
MOTA	7267	CB	ALA C 514	39.504 127.077 40.841 1.00 86.08	C
ATOM ATOM	7268 7269	С 0	ALA C 514 ALA C 514	37.916 125.279 40.219 1.00 54.32 37.228 125.524 39.231 1.00 54.32	C
ATOM	7270	N	ALA C 515	37.456 124.653 41.293 1.00 75.05	C

ATOM ATOM ATOM ATOM ATOM ATOM	7271 7272 7273 7274 7275 7276	CA CB C O N CA	ALA C 515 ALA C 515 ALA C 515 ALA C 515 ALA C 516 ALA C 516	34.714 3 35.527 3	122.984 125.430	41.408 42.266 42.089 43.119 41.502 42.041	1.00 75.05 1.00 19.56 1.00 75.05 1.00 75.05 1.00 33.77 1.00 33.77	000000
MOTA MOTA	7277 7278 7279	CB C O	ALA C 516 ALA C 516 ALA C 516	33.453	129.048 128.032 127.977	41.450 41.853 40.732	1.00 5.07 1.00 33.77 1.00 33.77	0 0
ATOM ATOM	7280 7281	N CA	ALA C 517 ALA C 517	32.765	128.268 128.477	42.978 43.060	1.00 29.64 1.00 29.64	C
MOTA MOTA MOTA	7282 7283 7284	CB C	ALA C 517 ALA C 517 ALA C 517	30.825	128.551	44.514	1.00 26.55	0
MOTA MOTA	7285 7286	N CA	ALA C 518 ALA C 518	30.559 1	130.813 129.531 130.538	42.903 41.026 40.058	1.00 29.64 1.00100.07 1.00100.07	000
ATOM ATOM	7287 7288	CB C	ALA C 518 ALA C 518		129.857	38.961 40.542	1.00 96.52 1.00100.07	C
ATOM ATOM	7289 7290	N O	ALA C 518 GLY C 519	28.626 1 29.514 1		41.537 39.791	1.00100.07 1.00 96.72	C
MOTA MOTA	7291 7292	CA C	GLY C 519 GLY C 519	27.441 1		40.117 39.568	1.00 96.72 1.00 96.72	C
MOTA	7293 7294	N N	GLY C 519 ALA C 520	26.810 1	135.203	39.257 39.439	1.00 96.72 1.00 72.63	C
ATOM ATOM	7295 7296 7297	CA CB	ALA C 520 ALA C 520 ALA C 520	24.493 1	132.866	38.934	1.00 72.63	C
ATOM ATOM ATOM	7298 7299	C O N	ALA C 520 ALA C 521		133.364	37.499 36.850 37.027	1.00 72.63 1.00 72.63 1.00 89.56	C C
ATOM ATOM	7300 7301	CA CB	ALA C 521 ALA C 521	26.226 1 26.827 1	134.708	35.684 34.708	1.00 89.56 1.00 35.64	Ċ
ATOM ATOM	7302 7303	C	ALA C 521 ALA C 521	24.850 1 24.307 1	35.167	35.194 35.671	1.00 89.56 1.00 89.56	c
ATOM ATOM	7304 7305	N CA	VAL C 522 VAL C 522	24.303 1 22.991 1		34.219 33.634	1.00100.07 1.00100.07	C
ATOM ATOM	7306 7307	CB CG1	VAL C 522 VAL C 522	23.114 1 21.784 1	35.464	32.084 31.502	1.00 83.70 1.00 83.70	C
ATOM	7308 7309	CG2 C	VAL C 522 VAL C 522	24.215 1 21.975 1	33.616	31.801	1.00 83.70	C
ATOM ATOM	7310 7311 7312	O N	VAL C 522 ILE C 523 ILE C 523	21.917 1 21.175 1 20.161 1	.33.265	35.045 32.919	1.00100.07	c c
ATOM ATOM ATOM	7313 7314	CA CB CG2	ILE C 523 ILE C 523	18.713 1 17.769 1	.32.835	33.027 33.101 32.089	1.00100.07 1.00100.07 1.00100.07	0
ATOM ATOM	7315 7316	CG1 CD	ILE C 523 ILE C 523	18.135 1 16.702 1	32.677	34.516 34.668	1.00100.07	c C
ATOM ATOM	7317 7318	C O	ILE C 523 ILE C 523	20.310 1 20.599 1	.30.162	31.777 31.851	1.00100.07 1.00100.07	C
ATOM ATOM	7319 7320	N CA	VAL C 524 VAL C 524	20.276 1		30.622	1.00 99.13	0 0
ATOM ATOM ATOM	7321 7322 7323	CB CG1 CG2	VAL C 524 VAL C 524 VAL C 524	18.952 1 19.235 1 18.184 1		28.798 27.645 29.858	1.00100.07 1.00100.07 1.00100.07	000
ATOM ATOM	7324 7325	C O	VAL C 524 VAL C 524	20.929 1	32.214	28.354 27.152	1.00 99.13	c c
ATOM ATOM	7326 7327	N CA	ALA C 525 ALA C 525	21.506 1 22.274 1		28.873 28.062	1.00 99.85 1.00 99.85	C
ATOM ATOM	7328 7329	CB C	ALA C 525 ALA C 525	23.574 1		28.432	1.00 54.65	C
ATOM ATOM ATOM	7330 7331 7332	O N CD	ALA C 525 PRO C 526 PRO C 526	24.447 1 23.730 1 23.555 1	32.452	29.042 28.894 27.477	1.00 99.85 1.00100.07 1.00 69.64	- c
ATOM ATOM	7333 7334	CA CB	PRO C 526 PRO C 526	24.693 1	31.491	29.469 28.249	1.00100.07 1.00 69.64	Ĉ
MOTA MOTA	7335 7336	CG C	PRO C 526 PRO C 526	24.923 1 25.745 1	31.972	27.115 30.462	1.00 69.64 1.00100.07	C
ATOM ATOM	7337 7338	O N	PRO C 526 GLU C 527	25.488 1 26.930 1	31.398	31.371	1.00100.07	C
ATOM ATOM ATOM	7339 7340 7341	CA CB CG	GLU C 527 GLU C 527 GLU C 527	28.128 1 28.148 1 26.940 1	30.875	31.086 32.387 33.244	1.00100.07 1.00100.07 1.00100.07	c c
ATOM ATOM	7342 7343	CD	GLU C 527 GLU C 527	26.644 1 27.364 1	29.911	34.133 35.139	1.00100.07	č
ATOM ATOM	7344 7345	C	GLU C 527 GLU C 527	25.689 1 29.125 1	29.165 31.078	33.811 30.118	1.00100.07 1.00100.07	C C
ATOM ATOM	7346 7347	O N	GLU C 527 ALA C 528	30.330 1 28.554 1	30.540	30.344	1.00100.07	C
ATOM ATOM ATOM	7348 7349 7350	CA CB C	ALA C 528 ALA C 528 ALA C 528	29.270 1 30.618 1 29.467 1	30.565	27.939 27.708 28.185	1.00 81.93 1.00 95.44 1.00 81.93	с С
ATOM ATOM ATOM	7351 7352	0 N	ALA C 528 VAL C 529	29.467 1 29.770 1 29.309 1	27.647	27.251 29.437	1.00 81.93 1.00 81.93 1.00 66.83	0
ATOM ATOM	7353 7354	CA CB	VAL C 529 VAL C 529	29.478 1 30.786 1	26.577	29.776 30.535	1.00 66.83	C

ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	7355 7356 7357 7359 7360 7361 7362 7363 7364 7365 7366 7367 7368 7371 7372 7373	CG2 C O N CA CB CCD OE2 C O N CA CB CCD CD CD CD CD CD CD	VAL C 52 VAL C 52 GLU C 53 FHE C 53 PHE C 53 PHE C 53 PHE C 53 PHE C 53	99900000000000011111111111111111111111	31.989 28.375 28.027.869 26.824 25.593 24.056 24.922 27.294 26.890 28.138 28.644 28.806 30.204	123.966 122.764 122.282 122.132 120.780 120.533 120.650 121.860 119.553	30.985 29.650 30.621 31.673 30.156 30.850 29.960 30.601 31.951 32.826 32.140 31.267 32.321 30.446 30.717 32.625 33.2693 32.625 33.248	1.00100.07 1.00100.07 1.00 66.83 1.00 66.83 1.00100.07 1.00100.07 1.00 94.66 1.00 94.66 1.00 94.66 1.00100.07 1.00100.07 1.00100.07 1.00 64.70 1.00 98.58 1.00 98.58	
ATOM ATOM	7374	CE2	PHE C 53 PHE C 53	1	32.169 32.128	119.647	33.106 33.730	1.00 98.58 1.00 98.58	C
ATOM ATOM	7376 7377	CZ C	PHE C 53 PHE C 53	1	27.686		33.663 30.165	1.00 98.58 1.00 64.70	C C
MOTA MOTA	7378 7379	O N	PHE C 53 MET C 53		26.923 27.726		30.910 28.852	1.00 64.70 1.00 37.81	C
ATOM ATOM	7380 7381	CA CB	MET C 53 MET C 53	2		118.577	28.192	1.00 37.81	C
MOTA	7382	CG	MET C 53	2	26.510	117.504	26.858 25.972	1.00 90.89	C
ATOM ATOM	7383 7384	SD CE	MET C 53 MET C 53		24.970 24.008		26.043 27.253	1.00 90.89	C
MOTA	7385	С	MET C 53	2	26.735	117.358	29.082	1.00 37.81	C
ATOM ATOM	7386 7387	O N	MET C 53. ASP C 53	3	27.728 25.506	117.066	29.408 29.500	1.00 37.81 1.00 43.33	c c
ATOM ATOM	7388 7389	CA CB	ASP C 53			115.920 115.102	30.356 29.673	1.00 43.33	C
MOTA	7390 7391	CG	ASP C 53	3	23.404	114.145	30.613	1.00100.07	C
ATOM ATOM	7392	OD1 OD2	ASP C 53	3	23.311	114.605 112.942	31.689 30.272	1.00100.07 1.00100.07	c c
ATOM ATOM	7393 7394	C	ASP C 53		26.370 26.489		30.706 30.228	1.00 43.33	C
MOTA	7395	N	VAL C 53	1	27.235	115.541	31.568	1.00 25.67	C
ATOM ATOM	7396 7397	CA CB	VAL C 53			115.609	32.004 33.183	1.00 25.67 1.00100.07	C C
ATOM ATOM	7398 7399	CG1 CG2	VAL C 53		30.326 29.381		33.644 32.789	1.00100.07 1.00100.07	C
MOTA	7400	С	VAL C 53	1	28.352	113.427	32.416	1.00 25.67	С
ATOM ATOM	7401 7402	O N	VAL C 53		27.803 28.918		33.484 31.583	1.00 25.67 1.00 30.45	C
ATOM ATOM	7403 7404	CA CB	SER C 53		28.946 27.842		31.822 32.796	1.00 30.45 1.00100.07	C
ATOM	7405	OG	SER C 53	5		110.974	32.270	1.00100.07	С
ATOM ATOM	7406 7407	С 0	SER C 53	5	27.719	110.145	30.548 29.977	1.00 30.45 1.00 30.45	C C
ATOM ATOM	7408 7409	N CD	PRO C 53		29.919 29.947		30.104 29.055	1.00 87.03 1.00100.07	C
ATOM	7410	CA	PRO C 53	5	31.223	109.746	30.760	1.00 87.03	C
MOTA MOTA	7411 7412	CB CG	PRO C 53	5	31.902 31.440	108.309	30.347 28.935	1.00100.07 1.00100.07	C C
ATOM ATOM	7413 7414	С 0	PRO C 53			110.958 111.023	30.326 30.602	1.00 87.03	- C
ATOM ATOM	7415 7416	N CA	LYS C 53'	7	31.389	111.901	29.630	1.00 27.01	C
ATOM	7417	CB	LYS C 53	7	31.162		29.219 28.909	1.00 27.01 1.00 57.11	C
ATOM ATOM	7418 7419	CG CD	LYS C 53		31.877 31.083		28.347 28.515	1.00 57.11 1.00 57.11	C
MOTA MOTA	7420 7421	CE NZ	LYS C 53	7	31.019	117.179	29.977	1.00 57.11	C
MOTA	7422	C	LYS C 53	7	32.747		30.180 30.543	1.00 57.11 1.00 27.01	С С
ATOM ATOM	7423 7424	O N	LYS C 53			113.120 113.778	31.557 30.585	1.00 27.01 1.00 77.89	C C
ATOM ATOM	7425 7426	CA CB	GLN C 538	3	34.623	114.035 114.961	31.884 32.738	1.00 77.89	C
ATOM	7427	CG	GLN C 538	3	34.161	115.106	34.209	1.00 99.92	С
MOTA MOTA	7428 7429	CD OE1	GLN C 538			116.512 117.506	34.562 34.268	1.00 99.92 1.00 99.92	C
ATOM ATOM	7430 7431	NE2	GLN C 538	3	35.807	116.598 112.752	35.203 32.661	1.00 99.92 1.00 77.89	С
ATOM	7432	0 C	GLN C 538	}	35.965	112.150	32.473	1.00 77.89	C
ATOM ATOM	7433 7434	N CA	VAL C 539			112.324 111.113	33.532 34.305	1.00 98.72 1.00 98.72	C
ATOM	7435	CB	VAL C 539)	33.118	110.796	35.351	1.00 23.12	С
ATOM ATOM	7436 7437		VAL C 539			110.010 110.045	34.722 36.531	1.00 23.12 1.00 23.12	C C
ATOM	7438	С	VAL C 539)	34.513	109.925	33.369	1.00 98.72	С

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33.641 109.456
35.774 109.506
ATOM
          7439
                       VAL C 539
                                                                 32.638
                                                                           1.00 98.72
ATOM
          7440
                 N
                       ALA C 540
                                                                 33.385
                                                                            1.00 88.30
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ATOM
          7441
                 CA
                                           36.330 108.398
                                                                 32.614
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          7442
                 CB
                       ALA C 540
                                           36.431 107.154
35.758 107.993
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ATOM
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                                           34.873 108.636
                                                                 30.682
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ATOM
          7445
                       SER C 541
                                            36.316 106.883
                                                                 30.774
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ATOM
         7446
                  CA
                       SER C 541
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36.477 104.210
34.609 105.942
ATOM
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                 CB
OG
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SER C 541
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                       SER C 541
ATOM
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LEU C 542
ATOM
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                                           33.662 106.051
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MOTA
         7451
                                           34.500 105.547
                                                                 27.812
                                                                            1.00 99.80
ATOM
         7452
                 CA
                       LEU C 542
                                           33.240 105.174
                                                                 27.201
                                                                            1.00 99.80
                                                                            1.00 75.91
1.00 75.91
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MOTA
         7453
                 CB
                       LEU C 542
                                           33.456 104.793
                                                                 25.724
                 CG LEU C 542
CD1 LEU C 542
                                           32.458 103.831
31.112 104.494
                                                                 25.052
ATOM
         7454
MOTA
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                                                                 24.846
                       LEU C 542
                                           33.015 103.391
                                                                            1.00 75.91
MOTA
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                 CD2
                                                                 23.722
ATOM
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                 С
                       LEU C 542
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ATOM
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                                           31.526 103.866
                                                                 28.205
                                                                            1.00 99.80
MOTA
         7459
                 N
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                                                                 28.320
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                                           33.232 101.861
33.892 100.665
35.270 100.403
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1.00 31.59
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                 CA
ATOM
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                                                                 28.988
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                                                                 28.814
ATOM
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33.474 101.796
ATOM
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ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	7775 7776 7777 7778 7778 77780 7781 7782 7783 7784 7785 7786 7786 7787 7791 7792 7793 7794 7795 7797 7797 7798 7799 7799 7800 7801 7802 7802 7803	CG C	GLU C 585 GLU C 586 ARG C 587 VAL C 588	18.936 18.381 18.313 23.306 23.404 23.944 24.884 25.095 22.710 22.909 22.710 22.098 26.610 26.760 28.048 28.485 29.595 28.850 28.085 29.153 26.928 26.854 25.792	1.00 . 415 99 . 581 101 . 588 102 . 019 103 . 525 104 . 259 105 . 725 106 . 189 107 . 013 107 . 467 107 . 395 101 . 266 100 . 981 100 . 239 99 . 735 98 . 751	25.071 24.936 23.820 25.952 22.858 21.968 21.758 21.758 20.715 19.717 19.973 21.206 18.992 21.660 20.556 22.801 22.802 24.201 24.201 24.201 24.201 24.201 24.201 25.073 21.874 21.370 21.587 20.667 21.070 21.587 20.667 21.070 21.587	1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00 60.51 1.00 61.97 1.00 61.97 1.00 98.61 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00 61.97 1.00 61.97 1.00 51.35 1.00 51.35 1.00 53.11 1.00 53.11 1.00 53.11 1.00 53.60 1.00 37.60 1.00 37.60 1.00 37.60 1.00 42.42 1.00 42.42	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	7804 7805 7806 7807 7808 7819 7811 7812 7813 7815 7816 7817 7818 7819 7821 7822 7823 7824 7825 7826 7827 7828	C O N CA CB CCD NH1 NH2 C O O N CA CB CG OD1 OD2 C O N CA CB CG OD1 CCA CB CC C C C C C C C C C C C C C C C	VAL C 588 VAL C 588 ARG C 589 ARG C 590 ASP C 591 SER C 591 SER C 591 SER C 591 SER C 591	26.451 27.110 25.349 24.824 23.519 22.627 21.220 20.448 19.127 18.519 25.862 25.555 27.101 28.617 27.563 27.196 29.402 30.453 30.453 30.453	97.822 97.555 98.555 99.103 99.846 98.988 99.517 98.572 99.534 99.998 100.815 101.708 102.801 103.343 103.129 99.587 99.564 101.708 102.801 103.343 103.129 99.564 99.564 99.564 99.564 99.564	19.298 18.295 19.273 18.037 18.344 19.247 20.269 20.425 19.860 21.134 17.392 16.531 17.830 18.338 18.338 17.275 19.455 17.221 16.399 18.050 19.321 18.050 19.321 19.273 16.879	1.00 37.60 1.00 38.69 1.00 38.69 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00 38.69 1.00 31.50 1.00 31.50 1.00 99.80 1.00 99.80 1.00 31.50 1.00 31.50 1.00 100.07 1.00 31.50 1.00 99.80 1.00 31.50 1.00 31.50	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	7830 7831 7832 7833 7834 7835 7836 7837 7838 7840 7841 7842 7844 7845 7846 7851 7851 7852 7853 7856 7857		SER C 591 LEU C 592 ALA C 593 ALA C 593 ALA C 593 ALA C 594 LEU C 595	30.402 29.613 29.214 30.106 30.020 30.845 28.571 29.248 29.919 28.547 28.548 29.304 27.126 26.249 24.850 24.105 24.310 24.983 23.112 22.553 21.615 22.337 21.598 22.481 21.873 22.364 20.749	94.354 94.470 93.025 92.672 92.514 91.538 93.188 92.807 93.525	16.950 15.817 14.599 13.421 12.917 11.649 12.639 14.748 13.969 15.740 16.026 16.714 15.276 16.391 13.903 13.161 13.557 12.247 12.247 12.247 12.247 12.679	1.00 51.99 1.00 23.57 1.00 93.77 1.00 99.52 1.00 99.52 1.00 23.57 1.00 23.57 1.00 23.57 1.00 47.38 1.00 94.58 1.00 94.58 1.00 94.58 1.00 69.24 1.00 69.24	

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ATOM ATOM ATOM	8072 8073 8074	O N CA	ALA C 636 ALA C 637 ALA C 637	30.923 29.713 28.589	85.469 84.183 83.870	16.610 18.049 17.175	1.00 11.13 1.00 99.58 1.00 99.58	С С
MOTA MOTA	8075 8076	CB C	ALA C 637 ALA C 637	28.088 27.417	82.484 84.849	17.515	1.00 21.95	c c
ATOM	8077	O	ALA C 637	26.987	85.274	18.292	1.00 99.58	C
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ATOM	8080	CB	ALA C 638	25.761	86.768	14.566	1.00 12.66	Č
ATOM	8081	C	ALA C 638	24.525	85.164	16.123	1.00 53.59	
ATOM	8082	O	ALA C 638	24.686	83.937	16.078	1.00 53.59	c
ATOM	8083	N	ALA C 639	23.322	85.723	16.337	1.00 64.18	
ATOM	8084	CA	ALA C 639	22.101	84.901	16.499	1.00 64.18	c
ATOM	8085	CB	ALA C 639	21.651	84.896	17.941	1.00 5.07	
ATOM ATOM	8086 8087	c o	ALA C 639 ALA C 639	20.905	85.232 85.302		1.00 64.18 1.00 64.18	
MOTA	8088	N	ALA C 640	19.733	85.433	16.198	1.00 81.73	c
MOTA	8089	CA	ALA C 640	18.538	85.696	15.402	1.00 81.73	
MOTA	8090	CB	ALA C 640	17.832	84.368	15.146	1.00 6.94	C
MOTA MOTA	8091 8092	0	ALA C 640 ALA C 640	17.545 17.739	86.735 87.266	15.965 17.055	1.00 81.73	с с с
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MOTA	8102	0	ALA C 642	12.437	86.988	11.924	1.00100.07	C
MOTA MOTA	8103 8104	N CA	ALA C 643 ALA C 643	10.245 9.788	87.144 86.691	12.421 11.097	1.00 99.66 1.00 99.66	с с с
MOTA	8105	CB	ALA C 643	9.862	85.175	11.024	1.00 9.74	C
MOTA	8106	C	ALA C 643	8.376	87.150	10.691	1.00 99.66	
ATOM	8107	0	ALA C 643	7.386	86.502	11.039	1.00 99.66	c
ATOM	8108	N	ALA C 644	8.306	88.250		1.00 96.96	c
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ATOM	8110	CB	ALA C 644	5.916	87.825	9.444	1.00 /0.40	C

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ASP C 657
ASP C 657
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27.241
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ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	8195 8196 8197 8198 8200 8201 8202 8203 8204 8206 8207 8208 8211 8211 8211 8211 8212 8211 8212 8212 8212 8213 8214 8215 8216 8217 8218 8219 8210 8211 8211 8211 8211 8211 8211 8211 8211 8212	CD2 CC1 CC2 CC ON CCA CCB CCD CC ON CCA CCB CC ON CCA CCB CC CC ON CCA CCB CC	GLU C 662 GLU C 663 GLU C 665 GLU C 665 GLU C 665 FHE C 666 LEU C 668 LEU C 668 LEU C 668 GLY C 669	28.01 29.43 29.27 27.66 28.35 26.63 26.63 26.24.36 22.78 22.66 22.18 21.66 22.17 20.65 20.07 18.63 17.77 18.35 18.76 19.81 17.48 17.07 15.63 14.95 15.16 19.32 18.89 20.16 20.58 21.27 20.86 21.48 20.76 21.48 21.27 22.84 23.71 24.96 26.70 27.79 27.82 28.65 29.96 29.96 29.96 21.48 24.06 25.58 27.45 25.58 26.70 27.72 25.58 27.47 25.58 27.47 25.58 27.47 25.58	5 88.553 9 88.553 9 88.593 9 88.1358 4 89.357 3 88.1358 4 89.357 9 90.509 9 90.509 9 91.7743 9 90.7743 9 90.7743 8 90.6107 8 90.537 8 90.537 8 90.6107 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	20.967 20.657 20.657 20.657 20.657 22.934 22.934 22.934 24.279 24.254 25.293 22.945 22.945 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 23.715 27.881 23.492 22.568 23.557 23.5569 24.830 24.830 25.340 25.569 26.562 25.569 26.342 25.569 26.562 25.569 26.261 26.372 27.874 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 28.334 27.240 29.495 30.72	1.00 65.06 1.00 70.81 1.00 25.56 1.00 25.56 1.00 72.37 1.00 72.37 1.00 72.37 1.00 88.91 1.00 88.91 1.00 88.91 1.00 88.91 1.00 88.91 1.00 88.91 1.00 99.95 1.00100.07	,
ATOM ATOM ATOM ATOM	8269 8270 8271 8272	N CA CB CG CD OE1	GLN C 670 GLN C 670 GLN C 670 GLN C 670	25.837 24.442 24.243 24.932	87.571 87.200 85.723 85.190	33.929 34.024 33.729 32.513	1.00 37.92 1.00 37.92 1.00 99.48 1.00 99.48	0000

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ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	8363 8364 8365 83666 8367 8371 8372 83774 83776 83778 83778 83778 8378 8388 8388	ND2 C O N CA CB CG CD1 CD2 CE1 CE2 CZ	TYR C C ASN C C ASN C C ASN C C ASN C C PHE C C	682 682 682 582 682 683 683 683 683 683 683 684 684 684 684 684 684 684 684	34.634 35.004 32.981 33.346 34.727 34.615 34.868 34.361 34.411 33.009 32.288 31.156 35.286 34.949 36.417 37.444 38.366 39.729 40.807 40.944 42.089 38.187	76.349 75.281 76.995 75.934 75.992 74.087 80.878 80.878 81.827 83.170 83.699 84.097 83.699 84.055 85.193 85.193 85.193 83.642 84.074 83.816 83.761 84.074 83.816 83.761 84.072 84.172 85.062	51.472 52.293 53.055 53.874 53.493 54.349 50.760 49.562 51.535 50.964 50.764 52.062 53.140 51.958 51.812 52.025 53.608 54.349 55.619 55.473 55.473 51.997	1.00 28.99 1.00 28.99 1.00 28.99 1.00 28.99 1.00 28.99 1.00 19.16 1.00 19.16 1.00 18.87 1.00 62.59 1.00 62.59 1.00 62.59 1.00 62.59 1.00 62.59 1.00 62.59 1.00 62.59 1.00 62.59 1.00 62.59 1.00 13.87 1.00 40.54 1.00 13.84 1.00 13.84	000000000000000000000000000000000000000
ATOM ATOM ATOM ATOM ATOM	8389 8390 8391 8392 8393	O N CA CB CG	PHE C GLU C GLU C GLU C	684 685 685 685 685	38.327 38.674 39.337 40.546 41.750	84.661 86.200 87.056 86.360 86.366	50.837 52.408 51.442 50.829 51.732	1.00 40.54 1.00 88.25 1.00 88.25 1.00 83.88 1.00 83.88	00000
MOTA MOTA MOTA MOTA MOTA	8394 8395 8396 8397 8398	CD OE1 OE2 C	GLU C GLU C	685 685 685 685	42.012 41.819 42.418 38.317 37.157	87.736 88.745 87.807 87.365 87.658	52.332 51.623 53.511 50.358 50.661	1.00 83.88 1.00 83.88 1.00 83.88 1.00 88.25 1.00 88.25	0000
ATOM ATOM ATOM ATOM	8399 8400 8401 8402 8403		ASP C ASP C ASP C ASP C	686 686 686 686	38.723 37.788 38.470 38.885 38.008	87.280 87.591 88.488 89.830 90.556	49.097 48.028 46.995 47.577 48.093	1.00 55.13 1.00 55.13 1.00100.07 1.00100.07 1.00100.07	00000
ATOM ATOM ATOM ATOM ATOM ATOM	8404 8405 8406 8407 8408 8409	OD2 C O N CA CB	ASP C ASP C ALA C ALA C ALA C	686 686 686 687 687 687	40.088 37.161 36.494 37.368 36.784 37.206	90.158 86.368 86.488 85.192 83.972 82.785	47.518 47.355 46.316 47.946 47.400 48.210	1.00100.07 1.00 55.13 1.00 55.13 1.00 61.11 1.00 61.11 1.00 31.25	00000
ATOM ATOM ATOM ATOM ATOM	8410 8411 8412 8413 8414	C O N CA CB	ALA C ALA C ILE C ILE C	687 687 688 688 688	35.267 34.726 34.583 33.139 32.785	84.128 84.789 83.500 83.615 84.463	47.446 48.334 46.500 46.407 45.224	1.00 61.11 1.00 61.11 1.00 23.75 1.00 23.75 1.00 35.11	00000
ATOM ATOM ATOM ATOM ATOM	8415 8416 8417 8418 8419	CG2 CG1 CD C	ILE C ILE C ILE C ILE C	688 688 688 688 688	31.292 33.543 33.348 32.447 32.639	84.628 85.776 86.641 82.293 81.676	45.144 45.314 44.117 46.199 45.162	1.00 35.11 1.00 35.11 1.00 35.11 1.00 23.75 1.00 23.75	00000
ATOM ATOM ATOM ATOM ATOM	8420 8421 8422 8423 8424		VAL C VAL C VAL C VAL C	689	31.620 30.903 30.151 29.438 31.112	81.872 80.607 80.301 78.980 80.264	47.146 47.014 48.300 48.168 49.464	1.00 15.37 1.00 15.37 1.00 12.44 1.00 12.44 1.00 12.44	, 0000
ATOM ATOM ATOM ATOM ATOM	8425 8426 8427 8428 8429	C O N CA CB		689 689 690 690	29.887 29.391 29.590 28.607 29.187	80.589 81.638 79.414 79.326 78.832	45.840 45.440 45.276 44.186 42.835	1.00 15.37 1.00 15.37 1.00 38.82 1.00 38.82 1.00 64.94	00000
ATOM ATOM ATOM ATOM	8431 8432 8433 8434	CG2 CG1 CD C	ILE C	690 690 690 690	28.147 30.395 30.920 27.546 27.840	79.006 79.633 79.167 78.283 77.301	41.753 42.390 41.030 44.530 45.231	1.00 64.94 1.00 64.94 1.00 64.94 1.00 38.82 1.00 38.82	000000
ATOM ATOM ATOM ATOM ATOM ATOM ATOM	8435 8436 8437 8438 8439 8440	N CA CB OG C	SER C SER C SER C SER C SER C GLU C	691 691 691 691 691	26.324 25.208 23.880 22.809 25.093 24.718 25.429	78.495 77.555 78.275 77.362 76.694 77.173 75.422	44.019 44.206 44.414 44.232 42.954 41.885 43.117	1.00 26.09 1.00 26.09 1.00 77.43 1.00 26.09 1.00 26.09 1.00 5.07	000000
ATOM ATOM ATOM ATOM ATOM	8442 8443 8444 8445 8446	CA CB CG CD OE1	GLU C GLU C GLU C GLU C	692 692	25.418 25.182 25.056 25.390 24.959	74.442 73.065 71.944 70.606 70.356	42.055 42.660 41.668 42.289 43.429	1.00 5.07 1.00 41.10 1.00 41.10 1.00 41.10 1.00 41.10	00000

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MOTA
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MOTA
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GLU C 692
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                                                                         10.583
                                                                                      1.00 74.93
ATOM
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ATOM
           9075
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ATOM
           9076
                                                 65.807
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ATOM
           9077
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                                                             40.212
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MOTA
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           9080
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                                                                                             99.83
ATOM
           9081
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MOTA
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                                                                                             74.88
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61.900
ATOM
           9083
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47.007
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ATOM
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ATOM
           9085
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                                                                                      1.00
                                                                                             74.88
                   CZ ARG C 775
NH1 ARG C 775
NH2 ARG C 775
C ARG C 775
O ARG C 775
N SER C 776
CA SER C 776
                                                                         11.202
ATOM
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                                                                                             74.88
ATOM
           9087
                                                 62.253
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                                                                                             74.88
MOTA
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                                                 62.082
                                                             41.428
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                                                                                      1.00 99.83
                                                 60.876
62.735
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ATOM
           9089
                                                             41.661
                                                                           7.722
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           9090
ATOM
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                                                             40.547 39.760
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1.00 43.10
ATOM
           9091
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                          SER C 776
MOTA
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                    СВ
                                                 63.003
                                                             38.720
                                                                           5.505
                                                                                      1.00 84.13
                         SER C 776
SER C 776
SER C 776
ILE C 777
ILE C 777
ATOM
           9093
                    OG
                                                 63.794
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                                                                           6.513
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MOTA
           9094
                    c
                                                 60.858
                                                             39.077
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61.137
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ATOM
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37.793
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           9097
                                                 60.172
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ATOM
                    CA
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CG2 ILE C 777
CG1 ILE C 777
CD ILE C 777
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59.788
MOTA
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                                                             37.617
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MOTA
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           9100
                                                 62.153
62.361
58.839
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ATOM
           9101
                                                             36.078
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ATOM
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                                                                           8.903
           9102
ATOM
           9103
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                          ILE C 777
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                                                 58.447
                         PHE C 778
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PHE C 778
ATOM
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                   N
                                                 58.145
                                                             38.621
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                   CB
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55.982
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37.140
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8.774
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MOTA
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                   CG
                   CD1 PHE C 778
CD2 PHE C 778
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                                                                           9.936
MOTA
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MOTA
           9109
                                                 55.552
                                                             36.283
                                                                           7.756
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CE2 PHE C 778
CZ PHE C 778
C PHE C 778
ATOM
           9110
                                                 56.635
                                                             35.197
                                                                         10.086
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MOTA
          9111
                                                 55.658
                                                             34.891
                                                                           7.896
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56.949
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MOTA
          9112
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ATOM
           9113
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                   Ö
                          PHE C 778
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ATOM
           9114
                                                 56.220
                                                             41.589
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                   N
MOTA
           9115
                          GLY C 779
                                                 57.852
                                                             41.124
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                          GLY C 779
GLY C 779
GLY C 779
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                   CA
                                                             42.512
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ATOM
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ATOM
          9117
                   С
0
                                                58.845
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                                                                                             53.09
          9118
                                                 59.991
ATOM
                                                             43.710
                                                                           8.732
                                                                                     1.00
                                                                                             53.09
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GLU C 780 GLU C 780 MOTA 9119 58.259 1.00 55.93 N 43.739 7.272 MOTA 9120 CA 58.934 44.554 6.263 1.00 55.93 GLU C 780 GLU C 780 ATOM 9121 CB 57.924 45.069 5.234 1.00100.07 57.068 ATOM 9122 CG 43.982 4.592 1.00100.07 GLU C 780 GLU C 780 9123 ATOM CD 56.017 3.642 1.00100.07 44.547 ATOM 9124 OE1 56.380 44.984 2.524 1.00100.07 GLU C 780 GLU C 780 GLU C 780 9125 OE2 54.824 4.022 1.00100.07 ATOM 44.562 MOTA 9126 59.645 45.734 6.902 1.00 55.93 9127 O 59.339 1.00 55.93 1.00 99.18 ATOM 46.105 8.035 9128 LYS C 781 60.601 ATOM 46.310 47.460 6.178 N LYS C 781 ATOM 9129 61.345 6.680 1.00 99.18 CA ATOM 9130 LYS C 781 62.604 47.687 1.00 85.95 CB 5.843 LYS C 781 MOTA 9131 CG 62.312 47.909 4.368 1.00 85.95 ATOM 9132 CD LYS C 781 63.511 48.493 3.628 1.00 85.95 781 LYS C 63.151 64.235 1.00 85.95 ATOM 9133 CE 48.856 2.188 9134 LYS C 781 NZ 49.605 1.491 1.00 85.95 ATOM C ATOM 9135 LYS C 781 60.424 48.667 6.563 1.00 99.18 9136 LYS C 781 59.351 5.972 1.00 99.18 ATOM 48.561 ALA C 782 ALA C 782 MOTA 9137 N 60.832 49.805 7.121 1.00 56.09 9138 ATOM CA 60.020 51.025 7.058 1.00 56.09 ALA C 782 1.00 99.75 9139 59.096 60.882 ATOM CB 8,278 51.108 9140 ALA C 782 6.961 52.288 1.00 56.09 ATOM ATOM 9141 ALA C 782 62.115 52.222 7.040 1.00 56.09 ARG C 783 MOTA 9142 N 60.225 53.435 6.786 1.00 97.54 ARG C 783 ARG C 783 MOTA 9143 CA 60.916 54.724 6.665 1.00 97.54 1.00 86.06 9144 CB 54.909 5.223 4.122 ATOM 61.433 ATOM 9145 ARG C 783 60.639 54.163 1.00 86.06 CG 9146 ARG C 783 59.209 3.917 MOTA CD 54.695 1.00 86.06 9147 NE ARG C 783 CZ ARG C 783 NH1 ARG C 783 58.446 1.00 86.06 ATOM 53.884 2.961 MOTA 9148 57.262 54.217 2.447 1.00 86.06 MOTA 9149 56.674 55.359 2.782 1.00 86.06 C NH2 ARG C 783 C ARG C 783 9150 1.00 86.06 1.00 97.54 ATOM 56.663 53.402 1.589 9151 60.062 55.935 ATOM 7.061 C ARG C 783 57.009 ATOM 9152 60.210 6.481 1.00 97.54 ASP C 784 ASP C 784 ASP C 784 ATOM 9153 N 59.197 55.777 8.062 1.00100.07 MOTA 9154 CA 58.322 56.872 8.473 1.00100.07 56.792 56.947 1.00 39.87 1.00 39.87 ATOM 9155 CB 57.030 7.685 9156 ASP C 784 57.251 6.216 ATOM CG C ATOM 9157 OD1 ASP C 784 57.775 58.004 5.813 1.00 39.87 ATOM 9158 OD2 ASP C 784 C ASP C 784 56.907 56.017 5.461 1.00 39.87 MOTA 9159 C 57.966 57.837 57.008 9.951 10.677 1.00100.07 С ASP C 784 9160 56.017 1.00100.07 1.00 78.78 ATOM VAL C 785 57.777 ATOM 9161 N 58.258 10.370 VAL C 785 VAL C 785 VAL C 785 57.421 11.746 1.00 78.78 MOTA 9162 58.592 ATOM 9163 CB 58.449 59.563 12.369 1.00 99.50 ATOM 9164 CG1 58.043 59.913 13.798 1.00 99.50 C CG2 VAL C 785 C VAL C 785 MOTA 9165 59.836 58,950 12.331 11.753 1.00 99.50 1.00 78.78 56.062 59.286 9166 ATOM ATOM 9167 0 VAL C 785 55.799 60.156 10.922 1.00 78.78 LYS C 786 LYS C 786 LYS C 786 LYS C 786 ATOM 9168 N 55.192 58.904 12.680 1.00 99.29 53.886 52.964 12.749 13.692 ATOM 9169 CA 59.542 1.00 99.29 С CB 9170 58.786 1.00100.07 MOTA 9171 15.076 1.00100.07 č MOTA CG 53.517 58.643 9172 LYS C 786 ATOM CD 52.894 57.448 15.740 1.00100.07 LYS C 786 LYS C 786 9173 CE 53.713 56.992 16.927 1.00100.07 ATOM 9174 53.301 55.634 1.00100.07 С ATOM NZ17.397 1.00 99.29 LYS C 786 9175 С 54.135 60.919 MOTA 13.301 C LYS C 786
O LYS C 786
N ASP C 787
CA ASP C 787
CB ASP C 787
CG ASP C 787
OD1 ASP C 787 55.175 MOTA 9176 61.153 13.909 9177 53.198 61.833 13.078 1.00 89.06 ATOM ATOM 9178 53.341 63.188 13.598 1.00 89.06 9179 54.167 55.542 1.00 38.50 1.00 38.50 ATOM 64.066 12.644 C 12.340 13.268 9180 63.479 ATOM 56.297 63.133 1.00 38.50 Č MOTA 9181 OD2 ASP C 787 C ASP C 787 O ASP C 787 MOTA 9182 55.876 63.371 11.153 1.00 38.50 ATOM 9183 51.972 63.810 13.842 1.00 89.06 9184 63.307 ATOM 50.956 13.363 1.00 89.06 C THR C 788 THR C 788 ATOM 9185 N 51.970 64.906 14.594 1.00 72.43 ATOM 9186 CA 50.760 65.636 14.976 1.00 72.43 CB THR C 788 OG1 THR C 788 CG2 THR C 788 9187 49.879 66.033 13.783 1.00100.04 ATOM 50.675 48.781 49.903 MOTA 9188 66.665 67.000 12.772 1.00100.04 1.00100.04 9189 ATOM 14.259 THR C 788 THR C 788 SER C 789 1.00 72.43 1.00 72.43 ATOM 9190 С 64.786 15,891 50.010 63.563 15.883 ATOM 9191 MOTA 9192 N 49.046 65.449 16.660 1.00 45.06 SER C 789 SER C 789 ATOM 9193 CA 48.144 64.809 17.625 1.00 45.06 9194 1.00 50.11 ATOM CB 48.863 63.754 18.482 17.880 SER C 789 1.00 50.11 9195 OG 48.895 62.472 ATOM SER C 789 С 47.709 1.00 45.06 ATOM 9196 65.935 18.541 9197 0 SER C 789 48.369 66.977 1.00 45.06 ATOM 18.590 N LEU C 790
CA LEU C 790
CB LEU C 790
CG LEU C 790
CD1 LEU C 790 MOTA 9198 46.629 65.722 19.288 1.00 18.16 66.753 ATOM 9199 46.110 20.196 1.00 18.16 1.00 17.00 9200 44.639 44.249 44.518 66.504 ATOM 20.513 \mathbf{C} 9201 ATOM 67.121 21.841 1.00 17.00 1.00 17.00 9202 68.596 21.829 ATOM

ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	9203 9204 9205 9206 9207 9208 9210 9211 9212 9216 9217 9218 9219 9220 9221 9222 9223 9224 9225 9226 9227 9228 9229 9230 9231 9233 9234 9236 9237 9238 9238 9238	C O N CA CB CC C O N CA CB CC C O N CA CB CC C O N CC CC C C C C C C C C C C C C	ARG C ARG C ARG C VAL C VAL C VAL C VAL C VAL C VAL C PRO C	790 790 791 791 791 791 791 791 791 791 791 792 792 792 792 792 792 792 792 793 793 793 793 793 793 793 794 794 794 794 794 794 795 795 795	42.808 46.861 47.034 47.2409 47.940 49.0240 49.4251 48.1682 47.518 48.2649 46.858 47.249 50.858 47.249 46.8888 47.249 46.88881 44.778 46.88881 44.778 46.8881 44.778 45.2859 44.0053 43.401 44.583 44.0053 43.401 44.583 45.1262 41.624 42.073 43.771	66.858 66.966 66.049 68.669 68.224 70.194 70.752 72.357 73.300 74.0646 68.3570 67.941 66.358 67.941 66.358 67.949 68.793 69.293 69.293 69.293 68.793 68.793 69.293	22.074 21.504 22.304 21.709 22.868 22.993 23.909 25.724 26.528 24.166 24.189 25.238 27.2164 27.27.27 27.2164 27.27.27 27.2164 27.27 27.2164	1.00 17.00 1.00 18.16 1.00 45.09 1.00 45.09 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00100.07 1.00 45.09 1.00 45.09 1.00 45.09 1.00 24.83 1.00 55.01 1.00 55.01 1.00 55.01 1.00 24.83 1.00 61.06 1.00100.07 1.00100.07 1.00100.07 1.00 61.06 1.00100.07 1.00 61.06 1.00100.07 1.00 61.06 1.00100.07 1.00 61.06 1.00100.07 1.00 61.06 1.00100.07 1.00 61.06 1.00100.07 1.00 61.06 1.00100.07 1.00 61.06 1.00100.07 1.00 61.06 1.00100.07 1.00 99.26 1.00100.07 1.00 99.26 1.00100.07 1.00 99.26 1.00100.07	000000000000000000000000000000000000000
ATOM ATOM ATOM	9242 9243 9244	N CA CB	GLU C GLU C	796 796 796	39.788 38.645 38.259	67.849 67.628 68.942	26.166 27.083 27.779	1.00 75.64 1.00 75.64 1.00 79.10	000
ATOM ATOM	9245 9246	CG CD	GLU C	796 796	37.040 36.127	68.851 70.067	28.699 28.592	1.00 79.10 1.00 79.10	C
ATOM ATOM	9247 9248 9249	OE1 OE2 C		796 796 796	35.550 35.987 37.408	70.280 70.806 67.059	27.504 29.592 26.385	1.00 79.10 1.00 79.10 1.00 75.64	0 0 0
ATOM ATOM ATOM	9250 9251	и 0	GLU C	796 797	36.369 37.542	66.824 66.823	27.007 25.088	1.00 75.64 1.00100.07	0
ATOM ATOM	9252 9253	CA C	GLY C	797 797	36.433 36.133	66.329 67.432	24.303 23.312	1.00100.07	Ċ
ATOM ATOM	9254 9255	O	GLY C	797 798	34.996 37.171	67.614 68.191	22.877 22.972	1.00100.07 1.00 29.78	C C
ATOM ATOM	9256 9257	CA C	GLY C	798 798	36.997 36.429	69.269 68.635	22.031	1.00 29.78 1.00 29.78	Ċ
ATOM	9258	и 0	GLY C	798 799	37.158 35.120	68.067	19.975	1.00 29.78	C
ATOM ATOM	9259 9260	CA	ILE C	799 799	34.511	68.709 68.100 67.954	20.626 19.463 19.686	1.00 45.20	C C
ATOM ATOM	9261 9262		ILE C	799	32.993	67.156	20.966	1.00 36.50	
ATOM	9263 9264	CG1 CD	ILE C	799 799	32.348	69.319	19.871	1.00 36.50 1.00 36.50	C
MOTA MOTA	9265 9266	C O	ILE C	799 799	34.819 34.157	68.880 69.862	18.179 17.865	1.00 45.20 1.00 45.20	C
MOTA MOTA	9267 9268	N CA	VAL C	800 800	35.844 36.278	68.434 69.056	17.455 16.204	1.00 35.42 1.00 35.42	C C
MOTA MOTA	9269 9270	CB CG1	VAL C	800 800	36.891 36.999	68.007 68.569	15.264 13.853	1.00 28.90 1.00 28.90	C
ATOM ATOM	9271 9272	CG2 C	VAL C	800 800	38.269 35.167	67.608 69.790	15.779 15.466	1.00 28.90 1.00 35.42	C C
MOTA MOTA	9273 9274	O N	VAL C	800 801	34.279 35.249	69.170 71.115	14.903 15.448	1.00 35.42 1.00 28.85	C C
ATOM ATOM	9275 9276	CA CB	VAL C		34.231 34.009	71.940 73.238	14.826 15.588	1.00 28.85 1.00 19.72	C C
ATOM ATOM	9277 9278		VAL C		32.615 34.265	73.732 73.050	15.314 17.067	1.00 19.72 1.00 19.72	c
ATOM	9279	С	VAL C	801	34.520	72.371	13.414	1.00 28.85	С
ATOM	9280 9281	N O	GLY C		33.670 35.714	72.998	12.779	1.00 28.85	C
ATOM ATOM	9282 9283	CA C	GLY C		36.017 37.467	72.494 72.315	11.562	1.00 80.75	C
ATOM ATOM	9284 9285	o N	GLY C ARG C	803	38.331 37.733	72.198 72.292	12.063 9.893	1.00 80.75 1.00 20.60	C C
MOTA	9286	CA	ARG C	803	39.095	72.133	9.399	1.00 20.60	С

MOTA MOTA MOTA	9287 9288 9289	CB CG CD	ARG C ARG C	803	39.365 38.142 38.180	70.656 69.883 69.580	9.057 8.562 7.062	1.00100.07 1.00100.07 1.00100.07	c c
ATOM ATOM ATOM	9290 9291 9292	NE CZ NH1	ARG C ARG C	803	36.883 36.583 37.484	69.820 69.500 68.911	6.424 5.168 4.389	1.00100.07 1.00100.07 1.00100.07	c c
ATOM ATOM	9293 9294	NH2 C		803	35.385 39.288	69.790 73.025	4.682 8.179	1.00100.07	C
ATOM ATOM	9295 9296	O N	ARG C	803	38.327 40.525	73.363	7.488	1.00 20.60 1.00 50.03	c c
ATOM ATOM	9297 9298	CA CB	LEU C	804	40.863 41.066	74.271 75.731	6.801 7.196	1.00 50.03 1.00 45.33	Ċ
MOTA MOTA	9299 9300	CG	LEU C	804	41.890 41.250	76.518 76.369	6.166 4.799	1.00 45.33 1.00 45.33	CCC
ATOM ATOM	9301 9302	CD2 C		804	41.997	77.994	6.554	1.00 45.33 1.00 50.03	c
ATOM	9303	0	LEU C	804	43.031	73.265	6.991	1.00 50.03	С
ATOM	9304 9305	N CA	ARG C	805	42.292 43.481	73.777	4.928	1.00 57.38	C C
MOTA MOTA	9306 9307	CB	ARG C	805	43.224	71.858	3.758 2.619	1.00100.02	C
ATOM ATOM	9308 9309	CD NE	ARG C	805	40.873	72.462	2.962 2.047	1.00100.02	C C
MOTA MOTA	9310 9311	CZ NH1	ARG C	805	38.539 38.177	72.506 73.354	2.131 3.089	1.00100.02	C C
ATOM ATOM	9312 9313	NH2 C	ARG C		37.637 43.879	72.072 74.155	1.261 3.153	1.00100.02 1.00 57.38	C
ATOM ATOM	9314 9315	o N	ARG C LEU C		43.126 45.051	74.318 74.760	2.196 3.259	1.00 57.38 1.00 48.35	C
ATOM ATOM	9316 9317	CA CB	LEU C		45.515 45.464	75.582 77.082	2.161 2.517	1.00 48.35 1.00 33.54	C
ATOM ATOM	9318 9319	CG CD1	LEU C	806	46.212 47.687	77.798 77.828	3.635 3.334	1.00 33.54 1.00 33.54	C
ATOM ATOM	9320 9321	CD2 C	LEU C	806	45.701 46.911	79.223 75.112	3.725 1.759	1.00 33.54 1.00 48.35	Ċ
ATOM ATOM	9322 9323	O N	LEU C	806	47.836 47.033	75.099	2.569	1.00 48.35 1.00 97.68	c
ATOM ATOM	9324 9325	CA CB	ARG C	807 807	48.290 48.071	74.170 72.749	-0.044	1.00 97.68	C
MOTA	9326	CG	ARG C	807	46.648	72.436	-0.592 -1.106	1.00 98.93	C
ATOM	9327 9328	CD NE	ARG C	807 807	46.246 45.070	73.311	-2.300 -3.014	1.00 98.93	CC
ATOM ATOM	9329 9330	CZ NH1		807 807	44.615	73.301	-4.165 -4.742	1.00 98.93 1.00 98.93	C
ATOM ATOM	9331 9332	NH2 C	ARG C	807 807	43.548	72.765 75.080	-4.745 -1.131	1.00 98.93 1.00 97.68	C
MOTA MOTA	9333 9334	O N	ARG C		48.127 50.188	75.599 75.276	-1.972 -1.120	1.00 97.68 1.00 35.28	C
ATOM ATOM	9335 9336	CA CB	ARG C	808 808	50.791 52.322	76.147 76.153	-2.125 -2.037	1.00 35.28 1.00 50.51	C
ATOM ATOM	9337 9338	CG CD	ARG C	808 808	52.998 54.506	74.942 75.143	-2.613 -2.752	1.00 50.51 1.00 50.51	C C
ATOM ATOM	9339 9340	NE CZ	ARG C	808 808	55.163 56.475	73.862 73.680	-3.018 -3.108	1.00 50.51 1.00 50.51	C
ATOM ATOM	9341 9342	NH1 NH2	ARG C	808 808	57.303 56.958	74.701 72.467	-2.961 -3.323	1.00 50.51 1.00 50.51	C
ATOM ATOM	9343 9344	C O	ARG C	808 808	50.352 50.152	75.682 74.488	-3.500 -3.732	1.00 35.28 1.00 35.28	C
ATOM ATOM	9345 9346	N CA	GLY C		50.194 49.754	76.627 76.270	~4.411 -5.740	1.00 99.53 1.00 99.53	- C
ATOM ATOM	9347 9348	C O			48.247 47.585	76.353 75.666	-5.753 -6.525	1.00 99.53 1.00 99.53	C
MOTA MOTA	9349 9350	N CA	ASP C	810 810	47.711 46.272	77.186 77.399	-4.866 -4.770	1.00 72.09 1.00 72.09	C
ATOM ATOM	9351 9352	CB CG	ASP C	810 810	45.848 44.457	77.349 76.769	-3.301 -3.114	1.00 95.21 1.00 95.21	C C
ATOM ATOM	9353 9354		ASP C	810 810	43.556 44.265	77.113 75.979	-3.910 -2.163	1.00 95.21 1.00 95.21	C
MOTA MOTA	9355 9356	C	ASP C	810 810	46.033 46.612	78.781 79.058	-5.419 -6.464	1.00 72.09 1.00 72.09	0 0
ATOM ATOM	9357 9358	N CD	PRO C	811	45.209 44.476	79.669 79.824	-4.834 -3.564	1.00 68.87 1.00 47.95	000
ATOM	9359	CA CB	PRO C	811 811	45.119 43.955	80.909 81.619	-5.603 -4.949	1.00 47.95 1.00 68.87 1.00 47.95	C
MOTA MOTA	9360 9361	CG		811	44.205	81.326	-3.517	1.00 47.95	C
ATOM ATOM	9362 9363	0	PRO C	811	46.395	81.743 82.199	-5.519 -6.542	1.00 68.87 1.00 68.87	C
ATOM ATOM	9364 9365	N CA	GLY C	812 812	46.889	81.951 82.746	-4.298 -4.109	1.00100.07	C
MOTA MOTA	9366 9367	C 0	GLY C	812 812	48.864 50.098	82.466 82.427	-2.824 -2.826	1.00100.07	C
ATOM ATOM	9368 9369	N CA		813 813	48.132 48.715	82.295 81.994	-1.728 -0.428	1.00 30.10 1.00 30.10	C
MOTA	9370	CB	VAL C		48.208	80.633	0.086	1.00 57.90	Ċ

MOTA 9371 CG1 VAL C 813 47.903 80.728 1.579 1.00 57.90 9372 VAL C 813 47.000 80.180 -0.725 MOTA CG2 1.00 57.90 9373 VAL C 813 50.251 81.950 -0.341 1.00 30.10 ATOM 30.10 ATOM 9374 0 VAL C 813 50.910 81.077 -0.930 1.00 GLU C 814 GLU C 814 41.78 C ATOM 9375 N 50.834 82.888 0.394 1,00 9376 CA 52.274 82.846 0.552 1.00 ATOM ATOM 9377 CB GLU C 814 52.847 84.172 1.085 1.00100.07 9378 GLU C 814 54.401 84.176 ATOM CG 1.136 1,00100.07 9379 CD GLU C 814 55.026 85.350 1.910 1.00100.07 ATOM MOTA 9380 OE1 GLU C 814 54.991 85.345 3.165 1.00100.07 55.565 52.488 51.749 1.257 1.598 2.586 1.00100.07 1.00 41.78 1.00 41.78 ATOM 9381 OE2 GLU C 814 86.277 81.761 9382 GLU C 814 ATOM ATOM 9383 GLU C 814 81.689 ATOM 9384 N LEU C 815 53.469 80.897 1.369 1.00 57.51 MOTA 9385 CA LEU C 815 LEU C 815 53.775 79.858 78.508 2.336 1.00 57.51 57.31 53.208 1.00 ATOM 9386 CB ATOM 51.743 9387 CG LEU C 815 78.345 2.307 1.00 57.31 LEU C 815 50.871 1.343 ATOM 9388 CD1 79.124 1.00 57.31 ATOM 9389 CD2 LEU C 815 51.358 76.874 2.307 1.00 57.31 ATOM 9390 LEU C 815 55.269 79.748 2.571 1.00 57.51 ATOM 9391 0 LEU C 815 56.022 79.367 1.679 1.00 57.51 LYS C 816 55.677 57.069 80.105 3.787 1.00 66.37 ATOM 9392 N 9393 LYS C 816 80.057 66.37 ATOM CA LYS C 816 57.166 5.676 92.74 ATOM 9394 СВ 79.641 1.00 MOTA 9395 CG LYS C 816 58.588 79.379 6.159 1.00 92.74 MOTA 9396 CD LYS C 816 59.456 80.630 6.064 1.00 92.74 LYS C 816 LYS C 816 92.74 92.74 ATOM 9397 CE 60.908 80.356 6.453 5.584 1.00 ATOM 9398 NZ 61.600 1.00 LYS C 816 LYS C 816 3.355 9399 57.849 79.077 1.00 66.37 ATOM 9400 57.446 77.930 3.189 1.00 66.37 ATOM 58.973 ATOM 9401 PRO C 817 79.526 2.786 1.00 80.61 59.620 59.789 PRO C 817 2.935 CD MOTA 9402 80.837 1.00 71.98 1.952 PRO C 817 MOTA 9403 CA 78.648 1.00 80.61 PRO C 817 PRO C 817 71.98 9404 CB 61.119 79.401 1.855 1.00 ATOM 9405 61.051 80.448 2.970 1.00 71.98 ATOM CG ATOM 9406 PRO C 817 59.938 77.242 2.525 1.00 80.61 3.712 1.00 80.61 1.00 76.22 ATOM 9407 9408 PRO C 817 GLY C 818 60.220 59.747 77.056 76.254 ATOM N GLY C 818 9409 CA 59.847 74.876 2.087 1.00 76.22 MOTA 76.22 9410 GLY C 818 58.445 74.459 2.442 1.00 MOTA GLY C 818 57.922 73.474 1.928 1.00 76.22 ATOM 9411 3.318 3.736 4.557 1.00 43.58 VAL C 819 VAL C 819 75.236 74.942 ATOM 9412 57.824 56.470 55.876 1.00 43.58 9413 9414 ATOM CA 1.00100.07 VAL C 319 76.087 CB ATOM 9415 VAL C 819 54.455 75.749 4.963 1.00100.07 ATOM CG1 9416 CG2 VAL C 819 56.739 76.339 5.777 1.00100.07 MOTA VAL C 819 VAL C 819 55.631 55.767 74.737 2.495 1.512 1.00 43.58 MOTA 9417 C 75.465 1.00 43.58 9418 9419 0 ATOM ATOM ARG C 820 54.782 73.722 2.556 1.00 37.99 37.99 77.32 77.32 77.32 9420 ARG C 820 53.893 73.365 1.468 1.00 MOTA CA ATOM 9421 CB ARG C 820 54.561 72.321 0.589 1.00 1.00 9422 9423 ARG C 820 ARG C 820 53.585 -0.143MOTA CG 71.441 54.189 70.075 -0.377 1.00 CD MOTA MOTA 9424 NE ARG C 820 53.154 69.089 -0.659 1.00 77.32 77.32 77.32 77.32 MOTA 9425 CZARG C 820 53.374 67.784 -0.726 1.00 000 -0.531 -0.981 2.129 ATOM 9426 NH1 ARG C 820 ARG C 820 54.599 67.314 1.00 1.00 9427 9428 52.370 66.954 ATOM NH2 ARG C 820 52.662 72.773 37.99 C 1.00 ATOM 1.00 ARG C 820 52.784 71.870 2.944 37.99 ATOM 9429 0000 MOTA 9430 GLU C 821 51.480 73.266 1.785 1.00 34.34 GLU C 821 GLU C 821 GLU C 821 50.271 50.140 72.760 2.410 2.174 MOTA 9431 CA 1.00 34.34 71.259 1.00 45.30 9432 9433 MOTA CB 48.816 70.696 2.628 1.00 45.30 CG ATOM 2.553 3.250 1.802 ATOM 9434 CD GLU C 821 48.768 69.184 1.00 45.30 49.573 47.925 GLU C 821 GLU C 821 45.30 ATOM 9435 OE1 68.535 1.00 1.00 45.30 9436 9437 68,644 MOTA OE2 34.34 GLU C 821 50.424 73.035 3.902 1.00 MOTA 9438 GLU C 821 51.495 72.842 4.459 1.00 34.34 MOTA 22.98 ATOM 9439 VAL C 822 49.360 73.493 4.553 1.00 5.986 6.221 9440 9441 VAL C 822 VAL C 822 49.416 49.744 73.796 75.267 ATOM CA 1.00 1.00 ATOM CB 9442 VAL C 822 50.024 75.494 CG1 7.676 1.00 ATOM VAL C 822 50.914 75.690 5.351 1.00 37.56 9443 CG2 ATOM 9444 VAL C 822 48.091 73.509 6.677 1.00 22.98 MOTA 1.00 22.98 VAL C 822 VAL C 823 47.341 47.815 MOTA 9445 74.421 6.978 6.910 72.234 23.45 1.00 MOTA 9446 N 71.783 70.364 1.00 23.45 7.574 9447 VAL C 823 46.602 MOTA CA C 823 8.146 1.00 59.29 9448 CB VAL 46.804 ATOM 9449 C 823 45.911 70.137 9.345 1.00 59.29 ATOM CG1 VAL VAL C 823 VAL C 823 VAL C 823 69.336 59.29 ATOM 9450 CG2 46.502 7.080 1.00 8.717 46.229 1.00 23.45 MOTA 9451 C 9452 47.103 73.287 9.360 1.00 23.45 MOTA 9453 ARG C 824 44.936 72.839 8.982 1.00 44.37 N MOTA 9454 CA ARG 44.486 73.687 10.069 1.00 44.37 ATOM

ATOM	9455	CB	ARG C	824	44.201	75.089	9.542	1.00 64.53	С
ATOM	9456	CG	ARG C	824	44.423	76.177	10.562	1.00 64.53	Č
ATOM	9457	CD	ARG C	824	43.578	77.423	10.280	1.00 64.53	č
MOTA	9458	NE	ARG C	824	44.062	78.249	9.175	1.00 64.53	č
MOTA	9459	CZ	ARG C	824	45.188	78.958	9.197	1.00 64.53	č
ATOM	9460	NH1	ARG C	824	45.967	78.946	10.271	1.00 64.53	C
MOTA	9461	NH2	ARG C	824	45.523	79.701	8.148	1.00 64.53	C
MOTA	9462	C	ARG C	824	43.211	73.050	10.608	1.00 44.37	C
MOTA	9463	0	ARG C	824	42.293	72.763	9.837	1.00 44.37	C
MOTA	9464	N	VAL C	825	43.151	72.804	11.917	1.00 18.28	С
ATOM	9465	CA	VAL C	825	41.966	72.185	12.524	1.00 18.28	C
ATOM	9466	CB	VAL C	825	42.222	70.742	12.969	1.00 8.45	C
MOTA	9467	CG1	VAL C	825	40.958	70.182	13.592	1.00 8.45	С
MOTA	9468	CG2	VAL C		42.694	69.894	11.825	1.00 8.45	C
ATOM	9469	C		825	41.520	72.918	13.781	1.00 18.28	C
ATOM	9470	0	VAL C	825	42.290	73.016	14.753	1.00 18.28	C
MOTA	9471	N	PHE C	826	40.271	73.387	13.775	1.00 35.68	C
ATOM	9472	CA		826	39.681	74.117	14.902	1.00 35.68	C
ATOM	9473	CB	PHE C	826	38.703	75.141	14.374	1.00 16.17	C
MOTA	9474	CG	PHE C	826	39.335	76.171	13.532	1.00 16.17	C
MOTA	9475		PHE C	826	39.761	77.355	14.078	1.00 16.17	C
ATOM	9476	CD2	PHE C	926	39.530	75.954 78.321	12.186	1.00 16.17	C
MOTA	9477 9478	CE1 CE2	PHE C	826	40.376 40.145	76.909	13.282 11.382	1.00 16.17	c
MOTA MOTA	9479	CZ	PHE C	826	40.568	78.093	11.927	1.00 16.17	C
ATOM	9480	c	PHE C	826	38.948	73.219	15.884	1.00 35.68	Ċ
MOTA	9481	ō		826	38.472	72.162	15.513	1.00 35.68	č
ATOM	9482	N	VAL C	827	38.845	73.644	17.136	1.00 41.76	č
ATOM	9483	CA	VAL C	827	38.149	72.845	18.137	1.00 41.76	č
MOTA	9484	CB	VAL C	827	39.107	71.964	18.959	1.00 8.72	C
ATOM	9485		VAL C	827	38.301	71.151	19.917	1.00 8.72	Ċ
MOTA	9486	CG2		827	39.921	71.049	18.068	1.00 8.72	С
MOTA	9487	C	VAL C	827	37.402	73.728	19.125	1.00 41.76	С
ATOM	9488	0		827	37.891	74.789	19.518	1.00 41.76	С
MOTA	9489	N	ALA C	828	36.227	73.278	19.547	1.00 35.26	C
MOTA	9490	CA	ALA C	828	35.426	74.051	20.483	1.00 35.26	С
MOTA	9491	CB	ALA C	828	34.094	74.401	19.850	1.00 55.74	C
MOTA	9492	C	ALA C	828	35.193	73.313	21.790	1.00 35.26	C
ATOM	9493	0	ALA C	828	35.120	72.083	21.817	1.00 35.26	С
ATOM	9494	N		829	35.077	74.077	22.873	1.00 33.29	С
MOTA	9495	CA	GLN C	829	34.827	73.509	24.191	1.00 33.29	C
ATOM	9496	CB	GLN C	829	36.016	73.744	25.126	1.00 43.24	C
ATOM	9497	CG	GLN C	829	37.247	72.928	24.816	1.00 43.24	C
ATOM	9498	CD		829	38.339	73.108	25.856	1.00 43.24	C
MOTA	9499		GLN C	829	38.204	72.661	26.996	1.00 43.24	C
ATOM	9500	NE2	GLN C	829 829	39.426 33.556	73.773 74.047	25.471 24.864	1.00 43.24 1.00 33.29	c
ATOM	9501 9502	C O	GLN C	829	33.950	75.155	24.577	1.00 33.29	c
ATOM ATOM	9503	N	GLN C	830	33.051	73.220	25.771	1.00 76.54	Č
ATOM	9504	CA	LYS C	830	31.866	73.489	26.570	1.00 76.54	Č
ATOM	9505	CB	LYS C	830	31.462	72.190	27.258	1.00 67.00	Ċ
ATOM	9506	CG	LYS C	830	32.665	71.354	27.716	1.00 67.00	C
ATOM	9507	CD	LYS C	830	32.328	69,865	27.797	1.00 67.00	C
ATOM	9508	CE	LYS C	830	31.698	69.332	26.497	1.00 67.00	С
ATOM	9509	NZ	LYS C	830	32.531	69.581	25.291	1.00 67.00	С
ATOM	9510	C	LYS C	025	32.167	74.562	27.613	1.00 76.54	С
ATOM	9511	0	LYS C	830	31.812	75.727	27.447	1.00 76.54	C
ATOM	9512	N		831	32.827	74.152	28.689	1.00 61.12	C
ATOM	9513	CA		831	33.203	75.059	29.762	1.00 61.12	C
ATOM	9514	CB	ARG C		34.043	76.230 75.862	29.238	1.00 67.15	- C
ATOM	9515 9516	CG	ARG C		35.478 36.324	77.076	28.908 28.549	1.00 67.15 1.00 67.15	C
ATOM ATOM	9517	CD NE	ARG C		37.547	76.672	27.867	1.00 67.15	Č
ATOM	9518	CZ	ARG C		38.416	75.798	28.356	1.00 67.15	č
ATOM	9519	NH1	ARG C		38.202	75.241	29.536	1.00 67.15	č
ATOM	9520	NH2	ARG C		39.486	75.459	27.653	1.00 67.15	č
ATOM	9521	C	ARG C		32.041	75.623	30.536	1.00 61.12	Ċ
ATOM	9522	ō	ARG C		31.408	76.591	30.112	1.00 61.12	C
ATOM	9523	N	LYS C		31.762	74.994	31.670	1.00 73.93	С
ATOM	9524	CA	LYS C		30.716	75.439	32.569	1.00 73.93	С
ATOM	9525	CB	LYS C		29.955	74.244	33.138	1.00 52.92	C
ATOM	9526	CG	LYS C		29.265	73.396	32.087	1.00 52.92	C
ATOM	9527	CD	LYS C		28.761	72.096	32.673	1.00 52.92	C
MOTA	9528	CE	LYS C	832	27.673	72.341	33.700	1.00 52.92	Ċ
ATOM	9529	NZ	LYS C		27.416	71.142	34.549	1.00 52.92	Č
ATOM	9530	C	LYS C		31.570	76.105	33.636	1.00 73.93	Ç
ATOM	9531	0	LYS C		32.720	76.444	33.363	1.00 73.93	Č
ATOM	9532	N	LEU C		31.050	76.280	34.843	1.00 36.60	C
MOTA	9533	CA	LEU C		31.838	76.935	35.879	1.00 36.60 1.00 25.51	Ċ
ATOM	9534	CB	LEU C		30.934	77.862 78.991	36.695 37.492	1.00 25.51	C
ATOM	9535	CG CD1	LEU C		31.589 32.612	79.700	36.636	1.00 25.51	000000000000000000000000000000000000000
ATOM ATOM	9536 9537		LEU C		30.521	79.760	37.957	1.00 25.51	C
ATOM	9538	CDZ	LEU C		32.564	75.937	36.783	1.00 36.60	C
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ATOM
          9539
                        LEU C 833
                                              32.094
                                                                                 1.00 36.60
                                                          74.815
                                                                     37.004
                                              33.721
                                                          76.341
                                                                      37.295
                                                                                 1.00 37.55
ATOM
          9540
                        GLN C 834
                   N
          9541
                         GLN C 834
                                               34.502
                                                          75.461
                                                                      38.157
                                                                                 1.00
                                                                                        37.55
                                                          74.750
                                                                                        71.12
ATOM
          9542
                        GLN C 834
                                              35.602
                                                                     37.370
                                                                                 1.00
          9543
9544
ATOM
                   CG
                        GLN C 834
                                              35.162
                                                          73.912
                                                                     36.191
                                                                                 1.00
                                                                                        71.12
                        GLN C 834
GLN C 834
ATOM
ATOM
                                              36.352
37.283
                                                          73.324 74.043
                                                                     35.467
35.114
                   CD
                                                                                 1.00 71.12
          9545
                   OE1
                                                                                        71.12
                                                                                 1.00
                                                                     35.244
39.246
          9546
                        GLN C 834
ATOM
                   NE2
                                              36.332
                                                          72.015
                                                                                 1.00
                                                                                        71.12
          9547
                        GLN C 834
                                              35.187
                                                          76.242
                                                                                 1.00
MOTA
                        GLN C 834
VAL C 835
VAL C 835
VAL C 835
MOTA
          9548
                                              35.138
                                                          77.463
                                                                     39.272
                                                                                 1.00 37.55
          9549
9550
9551
MOTA
                                              35.853
                                                          75.521
                                                                      40.132
                                                                                 1.00
                                                                                         9.55
                                                         76.157
75.115
75.777
                                              36.578
36.994
ATOM
                   CA
                                                                     41.199
42.196
                                                                                 1.00
                                                                                         9.55
MOTA
                   CB
                                                                                        16.09
MOTA
          9552
                   CG1
                        VAL C 835
                                              37.661
                                                                      43.396
                                                                                 1.00
                                                                                        16.09
                                              35.777
37.820
38.775
ATOM
          9553
                   CG2
                        VAL C 835
                                                          74.304
                                                                     42.597
                                                                                 1.00 16.09
                        VAL C 835
VAL C 835
GLY C 836
                                                         76.863
76.217
                                                                                         9.55
9.55
MOTA
          9554
                                                                     40.616
                                                                                 1.00
                                                                     40.169
40.626
          9555
ATOM
                                                                                 1.00
ATOM
                                              37.803
          9556
                  N
                                                          78.191
                                                                                 1.00 25.08
                        GLY C 836
                                              38.901
                                                          78.974
                                                                     40.086
ATOM
          9557
                   CA
                                                                                        25.08
                                                                                 1.00
                        GLY C 836
                                              38.199
                                                                     39.413
                                                                                        25.08
MOTA
          9558
                                                          80.124
                                                                                 1.00
                        GLY C 836
ASP C 837
ASP C 837
ASP C 837
MOTA
          9559
                                              37.379
                                                          80.798
                                                                     40.043
                                                                                 1.00 25.08
                                              38.502
37.841
36.629
                                                          80.355
ATOM
          9560
                  N
                                                                     38,144
                                                                                 1.00
                                                                                        24.55
          9561
9562
                                                                     37.351
36.614
                                                         81.405
80.804
                                                                                1.00 24.55
1.00 59.95
MOTA
                   CA
ATOM
                   CB
                                              36.629
36.406
35.493
37.117
37.391
36.486
38.016
ATOM
                        ASP C 837
                                                          79.310
                                                                     36.916
          9563
                   CG
                                                                                 1.00
                                                                                        59.95
          9564
                   OD1
                        ASP C 837
                                                         78.722
                                                                     36.298
                                                                                 1.00 59.95
ATOM
                                                         78.711
82.715
82.723
83.826
                        ASP C 837
ASP C 837
ASP C 837
MOTA
          9565
                   OD2
                                                                     37.754
                                                                                 1.00 59.95
                                                                     38.038
38.880
37.654
ATOM
          9566
                                                                                 1.00 24.55
                                                                                        24.55
ATOM
          9567
                  0
                                                                                 1.00
                        LYS C 838
                                                                                 1.00 41.85
1.00 41.85
MOTA
          9568
                  N
          9569
                                              37.662
                                                          85.126
                                                                     38.215
ATOM
                   CA
MOTA
          9570
                   CB
                        LYS C 838
                                              38.535
                                                         86.226
                                                                     37.599
                                                                                 1.00 53.43
                        LYS C 838
LYS C 838
LYS C 838
                                                         86.354
87.249
88.704
ATOM
          9571
                   CG
                                              39.899
                                                                     38.250
                                                                                 1.00 53.43
                                              40.838
40.427
41.269
                                                                     37.462
37.500
36.569
          9572
9573
                  CD
ATOM
                                                                                 1.00
                                                                                        53.43
                                                                                 1.00
                                                                                        53.43
ATOM
ATOM
          9574
                  NZ
                        LYS C 838
                                                         89.528
                                                                                 1.00 53.43
          9575
                        LYS C 838
                                              36.184
                                                         85.424
                                                                     37.952
                                                                                 1.00 41.85
MOTA
ATOM
          9576
9577
9578
                        LYS C 838
LEU C 839
LEU C 839
                                              35.688
35.480
34.070
                                                         85.190
85.946
86.246
                                                                     36.845
                                                                                1.00 41.85
1.00 17.69
1.00 17.69
                                                                     38.960
38.791
39.936
39.411
ATOM
                  N
                  CA
MOTA
          9579
                  CB
                        LEU C 839
                                              33.275
                                                         85.643
                                                                                 1.00
                                                                                        20.55
ATOM
ATOM
          9580
                   CG
                        LEU C 839
                                              32.093
                                                         84.833
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C ARG C 842
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GLY C 844
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LYS C 846
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VAL C 849
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VAL C 849
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ILE C 852
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ILE C 852
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LEU C 853
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LEU C 853
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PRO C 854
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VAL C 855
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GLU C 856
GLU C 856
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ATOM
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ATOM 9707 OBJ. GLU C 856		0705	0.71						1 00 50 00	_
ATOM 9709 C GLU C 856 20.924 72.508 50.969 1.00 35.45 C ATOM ATOM 9711 O ASP C 856 22.015 73.203 50.696 1.00 35.45 C ATOM ATOM 9712 CA ASP C 877 22.282 74.101 51.606 1.00 52.98 C ATOM 9714 GA ASP C 877 24.987 77.863 31.771 1.00 31.393 C ATOM 9716 OUZ ASP C 857 22.367 75.511 51.211 1.00 31.39 C ATOM 9718 N MET C 857 22.1267 75.511 51.213 1.00 31.39 C ATOM 9718 N MET C 858 22.317 77.817 48.137 1.00 35.76 C A ATOM	ATOM	9707				21.750	67.452	50.038	1.00 62.29	C
ATOM 9710 N ASP C 857 22.015 73.203 50.697 1.00 35.455 C ATOM 9712 CA ASP C 857 22.582 74.101 51.676 1.00 52.98 C ATOM 9713 CA ASP C 857 22.582 74.101 51.676 1.00 52.98 C ATOM 9713 CA ASP C 857 24.380 73.858 51.793 1.00 31.39 C ATOM 9715 CO ASP C 857 24.380 73.858 51.793 1.00 31.39 C ATOM 9715 CO ASP C 857 24.380 73.858 51.793 1.00 31.39 C ATOM 9715 CO ASP C 857 24.380 73.858 51.793 1.00 31.39 C ATOM 9716 CO ASP C 857 22.330 71.801 51.753 1.00 31.39 C ATOM 9718 CO ASP C 857 22.267 75.521 51.230 1.00 32.98 C ATOM 9718 CO ASP C 857 22.267 75.521 51.230 1.00 35.76 C ATOM 9718 CO ASP C 857 22.267 75.521 51.230 1.00 35.76 C ATOM 9720 CA MET C 858 23.101 77.787 50.830 1.00 35.76 C ATOM 9720 CA MET C 858 22.194 77.820 49.530 1.00 35.76 C ATOM 9721 CB MET C 858 22.1950 77.257 48.3701 1.00 51.753 C ATOM 9722 C MET C 858 22.1950 77.257 48.3701 1.00 51.76 C ATOM 9725 C MET C 858 22.1950 77.257 48.3701 1.00 51.76 C ATOM 9725 C MET C 858 22.1950 77.257 48.3701 1.00 51.76 C ATOM 9725 C MET C 858 22.374 78.155 51.16 1.00 55.76 C ATOM 9725 C MET C 858 22.374 78.155 51.16 1.00 55.76 C ATOM 9725 C MET C 858 22.374 78.155 51.16 1.00 55.76 C ATOM 9725 C MET C 858 22.374 78.155 51.16 1.00 55.76 C ATOM 9728 CD PRO C 859 21.970 80.518 51.16 1.00 55.76 C ATOM 9733 C B PRO C 859 21.970 80.518 51.16 1.00 55.76 C ATOM 9733 C B PRO C 859 21.970 80.518 51.16 1.00 55.76 C ATOM 9733 C B PRO C 859 21.970 80.518 51.60 1.00 69.85 C ATOM 9733 C B PRO C 859 21.970 80.518 51.60 79.589 51.607 1.00 59.65 C ATOM 9733 C B PRO C 859 21.970 80.518 51.502 52.389 61.00 69.85 C ATOM 9733 C B PRO C 859 21.970 80.518 51.502 52.389 61.00 69.85 C ATOM 9733 C B PRO C 859 21.958 81.502 52.389 61.00 69.85 C ATOM 9733 C B ALA C 860 16.531 80.733 52.289 61.00 69.85 C C ATOM 9733 C B ALA C 860 16.531 80.733 52.289 61.00 69.85 C C ATOM 9734 C B ALA C 860 16.531 80.733 52.289 61.00 69.85 C C ATOM 9735 C B ALA C 860 16.531 80.733 52.452 1.00 57.41 C B ATOM 9735 C B ALA C 860 16.531 80.938 80.733 52.452 1.00 57.41 C C ATOM 9736 C B ALA C 861 1.10 6.85 81.260 53.380 1.00										
ATOM 9711 N ASP C 857										
ATOM 9712 CA ASP C 857										
ATOM 9713 CB ASP C 857 24,080 73,885 11,793 1,00 31,39 C ATOM 9714 CO ASP C 857 21,670 71,995 53,181 1,00 31,39 C ATOM 9716 CO ASP C 857 22,387 71,810 31,733 1,00 31,39 C ATOM 9718 C ASP C 857 22,310 71,810 31,733 1,00 31,39 C ATOM 9718 C ASP C 857 22,300 71,757 31,200 31,39 C ATOM 9721 CB MET 688 22,219 77,757 48,300 1,00 35,76 C C ATOM 9722 CB MET 688 22,960 77,257 48,386 1,00 16,55 C ATOM 9723 SD MET 688 22,190 77,725 48,386 1,00										
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ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	9791 9792 9793 9794 9795 9796 9797 9798 9799	OD2 C O N CA CB CG1 CG2 C	VAL C 869	20.744 20.346 23.792 24.351 24.379 25.764 26.652 27.459 27.536 26.044	81.796 83.954 82.102 81.043 83.286 83.361 83.772 85.022 82.576 84.269	41.397 41.394 44.236 44.510 44.407 44.849 43.688 44.042 43.299 46.016	1.00 64.66 1.00 64.66 1.00 36.26 1.00 36.26 1.00 20.02 1.00 36.58 1.00 36.58 1.00 36.58	0000000000
ATOM ATOM ATOM ATOM ATOM	9801 9802 9803 9804 9805	O N CA CB CG2		25.534 26.878 27.270 27.496 28.318	85.374 83.783 84.494 83.509 84.174	46.076 46.929 48.143 49.294 50.408	1.00 20.02 1.00 44.04 1.00 44.04 1.00 15.22 1.00 15.22	00000
ATOM ATOM ATOM ATOM	9806 9807 9808 9809	CG1 CD C	ILE C 870 ILE C 870 ILE C 870 ILE C 870	26.174 26.377 28.590 29.575	82.957 81.914 85.241 84.661	49.795 50.899 47.981 47.530	1.00 15.22 1.00 15.22 1.00 44.04 1.00 44.04	0 0 0
ATOM ATOM ATOM ATOM	9810 9811 9812 9813	N CA CB CG	LEU C 871 LEU C 871 LEU C 871 LEU C 871	28.609 29.818 29.553 29.890	86.514 87.335 88.652 88.781	48.372 48.325 47.580 46.078	1.00 16.83 1.00 16.83 1.00 35.83 1.00 35.83	c c c
ATOM ATOM ATOM ATOM	9814 9815 9816 9817		LEU C 871 LEU C 871 LEU C 871 LEU C 871	29.426 29.241 30.179 29.319	87.574 90.029 87.590 87.498	45.300 45.514 49.792 50.671	1.00 35.83 1.00 35.83 1.00 16.83 1.00 16.83	0 0 0
ATOM ATOM ATOM ATOM	9818 9819 9820 9821	N CA CB CG	ASN C 872 ASN C 872 ASN C 872 ASN C 872	31.443 31.867 33.271 33.717	87.895 88.127 87.615 87.867	50.069 51.449 51.690 53.101	1.00 57.66 1.00 57.66 1.00 30.76 1.00 30.76	с с с
ATOM ATOM ATOM ATOM	9822 9823 9824 9825	ND2 C O	ASN C 872 ASN C 872 ASN C 872 ASN C 872	32.923 34.984 31.829 32.784	88.300 87.588 89.564 90.315	53.946 53.381 51.931 51.759	1.00 30.76 1.00 30.76 1.00 57.66 1.00 57.66	מטטטט
MOTA MOTA MOTA MOTA	9826 9827 9828 9829 9830	N CD CA CB CG	PRO C 873 PRO C 873 PRO C 873 PRO C 873 PRO C 873	30.756 30.040 30.552 29.469 29.821	89.930 88.951 91.276 91.067 89.726	52.630 53.463 53.164 54.208 54.747	1.00 24.13 1.00100.07 1.00 24.13 1.00100.07 1.00100.07	0000
ATOM ATOM ATOM ATOM	9831 9832 9833 9834	C O N CA	PRO C 873 PRO C 873 LEU C 874 LEU C 874	31.804 32.051 32.592 33.804	91.791 92.977 90.893 91.322	53.804 53.801 54.371 55.039	1.00 24.13 1.00 24.13 1.00 33.95 1.00 33.95	0 0 0
ATOM ATOM ATOM ATOM	9835 9836 9837 9838	CD2		34.558 35.833 35.580 36.313	90.139 90.534 91.720 89.342	55.634 56.372 57.284 57.147	1.00 49.91 1.00 49.91 1.00 49.91 1.00 49.91	0 0 0
MOTA MOTA MOTA MOTA MOTA MOTA	9839 9840 9841 9842 9843	C N CA C	LEU C 874 LEU C 874 GLY C 875 GLY C 875 GLY C 875	34.713 34.532 35.688 36.644 36.093	92.074 92.041 92.749 93.538 94.038	54.115 52.903 54.716 53.973 52.655	1.00 33.95 1.00 33.95 1.00 57.62 1.00 57.62 1.00 57.62	00000
ATOM ATOM ATOM ATOM	9844 9845 9846 9847	O N CA CB	GLY C 875 VAL C 876 VAL C 876 VAL C 876	35.702 36.050 35.597 34.764	95.206 93.117 93.353 92.167	52.526 51.694 50.332 49.811	1.00 57.62 1.00 49.45 1.00 49.45 1.00100.07	0000
MOTA MOTA MOTA MOTA	9848 9849 9850 9851	CG1 CG2 C	VAL C 876 VAL C 876 VAL C 876	34.738 35.366 34.852 35.052	92.195 90.848 94.661 95.285	48.294 50.294 50.075 49.022	1.00100.07 1.00100.07 1.00 49.45 1.00 49.45	0000
MOTA MOTA MOTA MOTA MOTA	9852 9853 9854 9855 9856	N CD CA CB CG	PRO C 877 PRO C 877 PRO C 877 PRO C 877 PRO C 877	33.942 33.070 33.283 31.821 31.947	95.070 94.231 96.345 96.081 95.197	50.981 51.819 50.681 51.042 52.210	1.00 75.50 1.00 39.36 1.00 75.50 1.00 39.36 1.00 39.36	00000
ATOM ATOM ATOM ATOM	9857 9858 9859 9860	C O N CA	PRO C 877 PRO C 877 SER C 878 SER C 878	33.904 34.278 34.058 34.611	97.499 98.523 97.324 98.394	51.482 50.909 52.791 53.618	1.00 75.50 1.00 75.50 1.00 21.99 1.00 21.99	0 0 0
ATOM ATOM ATOM ATOM ATOM	9861 9862 9863 9864 9865	CB OG C O N	SER C 878 SER C 878 SER C 878 SER C 878 ARG C 879	34.824 35.856 35.943 35.992 37.013	97.909 96.954 98.894 99.890 98.191	55.024 54.973 53.090 52.368 53.470	1.00 16.84 1.00 16.84 1.00 21.99 1.00 21.99 1.00 38.33	00000
ATOM ATOM ATOM ATOM ATOM	9866 9867 9868 9869	CA CB CG CD	ARG C 879 ARG C 879 ARG C 879 ARG C 879	38.391 39.207 38.944 39.707	98.191 98.508 97.232 96.148 94.908	53.470 53.087 52.927 53.944 53.531	1.00 38.33 1.00 38.33 1.00 66.17 1.00 66.17 1.00 66.17	0000
ATOM ATOM ATOM ATOM ATOM	9870 9871 9872 9873 9874	NE CZ NH1	ARG C 879 ARG C 879 ARG C 879 ARG C 879 ARG C 879	40.075 40.983 41.597 41.283 38.452	94.062 93.094 92.868 92.358 99.221	54.658 54.579 53.425 55.648 51.756	1.00 66.17 1.00 66.17 1.00 66.17 1.00 66.17 1.00 38.33	00000

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                            MET C 880
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                           MET C 880
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                                                                 98.960
ATOM
            9877
                     CA
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            9878
                           MET C 880
MET C 880
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                                                                 97.705
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ATOM
MOTA
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MOTA
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                           MET C 880
                                                    37.002 100.636
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ATOM
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                           ASN C 881
                                                    36.045 100.576
35.136 101.713
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MOTA
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ASN C 881
LEU C 882
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ATOM
           9890
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ATOM
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                     CB
                                                    32.932
                                                                99.735
                                                                              46.223
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ATOM
           9895
                     CG
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                                                                98.477
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34.756
MOTA
           9896
                     CD1
                           LEU C 882
                                                                 97.214
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LEU C 882
LEU C 882
GLY C 883
GLY C 883
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MOTA
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                     CD2
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           9902
                                                    28.130 100.495
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                                                   27.422 100.929
28.552 99.229
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ATOM
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                     CB
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ATOM
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                     CG
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ATOM
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                    CD GLN C 884
OE1 GLN C 884
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O GLN C 884
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                     CD
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                                                                95.417
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MOTA
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MOTA
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MOTA
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MOTA
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MOTA
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                     CG2
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ATOM
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ATOM
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           9953
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ATOM
           9954
                           HIS C 889
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MOTA
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ATOM
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MOTA MOTA MOTA MOTA MOTA MOTA MOTA	9959 9960 9961 9962 9963 9964 9965	CD2 C O N CA C	LEU C LEU C LEU C GLY C GLY C GLY C	890 890 891 891 891 891	15.901 17.759 17.662 17.508 17.957 18.101 16.847 16.156	99.132 100.655 96.782 96.780 95.689 94.378 93.573 93.221	41.832 41.155 43.271 42.047 43.977 43.368 43.603 42.650	1.00 5.07 1.00 5.07 1.00 12.42 1.00 12.42 1.00 80.89 1.00 80.89 1.00 80.89	00000000
ATOM ATOM ATOM	9967 9968 9969	CA CB	LEU C	892	16.552 15.327 15.209	93.266 92.537 92.169	44.862 45.141 46.621	1.00 28.36 1.00 28.36 1.00 22.53	C C
MOTA MOTA MOTA	9970 9971 9972	CD1 CD2		892 892 892	15.498 15.167 16.968	93.223 92.669 93.612	47.673 49.058 47.574	1.00 22.53 1.00 22.53 1.00 22.53	c c
ATOM ATOM ATOM	9973 9974 9975	0 :	LEU C LEU C ALA C	892 892 893	14.201 13.146 14.435	93.477 93.049 94.770	44.730 44.240 44.911	1.00 28.36 1.00 28.36 1.00 61.38	c c c
MOTA MOTA	9976 9977	CA CB	ALA C ALA C	893 893	13.450 13.846	95.767 97.133	44.512 45.041	1.00 61.38 1.00 75.49	C C
ATOM ATOM ATOM	9978 9979 9980	0 2	ALA C ALA C GLY C	893 893 894	13.458 13.635 13.278	95.759 96.791 94.567	42.985 42.330 42.434	1.00 61.38 1.00 61.38 1.00 25.17	c c
ATOM ATOM	9981 9982	CA (894 894	13.289	94.396	41.002	1.00 25.17 1.00 25.17 1.00 25.17	c
ATOM ATOM	9983 9984	N '	GLY C	894 895	12.765 13.484	92.526 92.092	39.612 41.679	1.00 25.17 1.00 33.29	c c
ATOM ATOM ATOM	9985 9986 9987	CB !	TYR C TYR C TYR C	895 895 895	13.336 13.982 13.958	90.658 89.895 88.386	41.493 42.654 42.546	1.00 33.29 1.00 53.00 1.00 53.00	с с
MOTA MOTA	9988 9989	CD1	TYR C	895 895	14.226 14.276	87.743 86.336	41.342	1.00 53.00 1.00 53.00	c c
ATOM ATOM	9990 9991	CE2	TYR C	895 895	13.732 13.779	87.596 86.191	43.675	1.00 53.00 1.00 53.00	C C
MOTA MOTA MOTA	9992 9993 9994	OH ?		895 895 895	14.052 14.109 11.830	85.561 84.172 90.532	42.408 42.349 41.542	1.00 53.00 1.00 53.00 1.00 33.29	0 0
MOTA MOTA	9995 9996	0 .	TYR C PHE C	895 896	11.190 11.259	90.167 90.905	40.558 42.681	1.00 33.29 1.00 57.33	C C
ATOM ATOM ATOM	9997 9998 9999	CB I	PHE C PHE C	896 896 896	9.822 9.481 10.191	90.831 91.161 90.289	42.866 44.313 45.306	1.00 57.33 1.00 57.92 1.00 57.92	с с
ATOM ATOM	10000	CD1 I	PHE C	896 896	11.390	90.696	45.873 45.662	1.00 57.92 1.00 57.92 1.00 57.92	CCC
MOTA	10002	CE2 1	PHE C PHE C PHE C	896 896 896	12.057 10.318 11.517	89.882 88.226	46.785 46.570	1.00 57.92 1.00 57.92	с с
MOTA MOTA MOTA	10004 10005 10006	C I	PHE C	896 896	9.025	88.641 91.723 91.599	47.135 41.915 41.825	1.00 57.92 1.00 57.33 1.00 57.33	C
ATOM ATOM	10007 10008	CA I	LEU C	897 897	9.709	92.615 93.489	41.203	1.00 54.76 1.00 54.76	c c
MOTA MOTA MOTA	10009 10010 10011	CG I	ren c	897 897 897	9.285 8.561 9.077	94.961 95.498 94.773	40.580 41.812 43.033	1.00 52.32 1.00 52.32 1.00 52.32	С С
ATOM ATOM	10012	C I	LEU C	897 897	8.780 9.437	96.996 93.210	41.951	1.00 52.32 1.00 54.76	C
ATOM ATOM ATOM	10014 10015 10016	N (LEU C GLY C	897 898 398	8.915 10.358 10.800	93.821 92.272 91.973	37.868 38.620 37.274	1.00 54.76 1.00100.02 1.00100.02	с с
ATOM ATOM	10017	0 (898 898	11.122	93.283 93.410	36.588 35.370	1.00100.02	- c
MOTA MOTA	10019 10020 10021	CA (GLN C GLN C		11.522 11.874 11.585	94.269 95.584 96.674	37.389 36.879 37.912	1.00 60.70 1.00 60.70 1.00 98.42	CCC
ATOM ATOM	10022 10023	CG C	GLN C	899 899	10.129 9.872	96.925 98.365	38.210 38.620	1.00 98.42 1.00 98.42	000
MOTA MOTA MOTA	10024 10025 10026	NE2	GLN C	899 899 899	9.825 9.717 13.347	99.262 98.596 95.652	37.777 39.917 36.502	1.00 98.42 1.00 98.42 1.00 60.70	C
ATOM ATOM	10027 10028	O C	GLN C ARG C	899 900	14.216 13.609	95.137 96.289	37.214 35.367	1.00 60.70 1.00 66.63	C C
MOTA MOTA MOTA	10029 10030 10031	CB A		900 900 900	14.961 15.017 14.205	96.471 96.079 94.835	34.861 33.387 33.049	1.00 66.63 1.00100.07 1.00100.07	C
MOTA MOTA	10032 10033	CD F	ARG C	900 900	14.849 13.891	93.561 92.457	33.574 33.624	1.00100.07	C
ATOM ATOM ATOM	10034 10035 10036	NH1 A		900 900 900	13.227 13.411 12.366	91.980 92.504 90.982	32.574 31.368 32.731	1.00100.07 1.00100.07 1.00100.07	0 0
ATOM ATOM	10037 10038	C 7	ARG C	900 900	15.194 14.322	97.968 98.763	35.019 34.675	1.00 66.63 1.00 66.63	C
MOTA MOTA MOTA	10039 10040 10041	CA 1	TYR C TYR C	901	16.349 16.576 16.743	98.366 99.785 100.077	35.534 35.734 37.215	1.00 35.63 1.00 35.63 1.00 71.06	0 0 0
MOTA	10042		TYR C		15.606	99.585	38.064	1.00 71.06	č

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ATOM 10110 OG1 THR C 910 17.176 109.372 44.385 1.00 80.71 C ATOM 10111 CG2 THR C 910 19.011 109.844 45.890 1.00 80.71 C ATOM 10112 C THR C 910 18.451 106.577 46.207 1.00 27.07 C ATOM 10113 O THR C 910 17.704 105.601 46.161 1.00 27.07 C ATOM 10114 N GLU C 911 19.145 106.926 47.288 1.00 33.40 C ATOM 10115 CA GLU C 911 19.145 106.926 47.288 1.00 33.40 C ATOM 10116 CB GLU C 911 20.024 106.875 49.571 1.00 46.53 C ATOM 10117 CG GLU C 911 19.694 106.565 51.019 1.00 46.53 C ATOM 10118 CD GLU C 911 20.338 105.300 51.506 1.00 46.53 C ATOM 10119 OE1 GLU C 911 20.338 105.300 51.506 1.00 46.53 C ATOM 10120 OE2 GLU C 911 21.584 105.265 51.541 1.00 46.53 C ATOM 10120 OE2 GLU C 911 17.702 106.010 49.128 1.00 33.40 C ATOM 10121 C GLU C 911 17.702 106.010 49.128 1.00 33.40 C ATOM 10122 O GLU C 911 17.502 105.133 49.965 1.00 33.40 C ATOM 10123 N PRO C 912 16.771 106.891 48.754 1.00 69.29 C									1 0
ATOM 10111 CG2 THR C 910 19.011 109.844 45.890 1.00 80.71 C ATOM 10112 C THR C 910 18.451 106.577 46.207 1.00 27.07 C ATOM 10113 O THR C 910 17.704 105.601 46.161 1.00 27.07 C ATOM 10114 N GLU C 911 19.145 106.926 47.288 1.00 33.40 C ATOM 10115 CA GLU C 911 19.126 106.180 48.546 1.00 33.40 C ATOM 10116 CB GLU C 911 20.024 106.875 49.571 1.00 46.53 C ATOM 10117 CG GLU C 911 19.694 106.565 51.019 1.00 46.53 C ATOM 10118 CD GLU C 911 20.338 105.300 51.506 1.00 46.53 C ATOM 10119 OE1 GLU C 911 21.584 105.265 51.541 1.00 46.53 C ATOM 10120 OE2 GLU C 911 19.605 104.350 51.852 1.00 46.53 C ATOM 10121 C GLU C 911 19.605 104.350 51.852 1.00 46.53 C ATOM 10122 O GLU C 911 17.722 106.010 49.128 1.00 33.40 C ATOM 10123 N PRO C 912 17.502 105.133 49.965 1.00 33.40 C ATOM 10123 N PRO C 912 17.016 108.298 48.387 1.00 69.29 C									ĩ c
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ATOM 10114 N GLU C 911 19.145 106.926 47.288 1.00 33.40 C ATOM 10115 CA GLU C 911 19.126 106.180 48.546 1.00 33.40 C ATOM 10116 CB GLU C 911 20.024 106.875 49.571 1.00 46.53 C ATOM 10117 CG GLU C 911 19.694 106.565 51.019 1.00 46.53 C ATOM 10118 CD GLU C 911 20.338 105.300 51.506 1.00 46.53 C ATOM 10119 OE1 GLU C 911 21.584 105.365 51.541 1.00 46.53 C ATOM 10120 OE2 GLU C 911 19.605 104.350 51.852 1.00 46.53 C ATOM 10121 C GLU C 911 17.722 106.010 49.128 1.00 33.40 C ATOM 10122 O GLU C 911 17.502 105.133 49.965 1.00 33.40 C ATOM 10123 N PRO C 912 16.771 106.891 48.754 1.00 69.29 C ATOM 10125 CA PRO C 912 15.405 106.770 49.262 1.00 69.29 C								1.00 27.0	7 C
ATOM 10115 CA GLU C 911 19.126 106.180 48.546 1.00 33.40 C ATOM 10116 CB GLU C 911 20.024 106.875 49.571 1.00 46.53 C ATOM 10117 CG GLU C 911 19.694 106.565 51.019 1.00 46.53 C ATOM 10118 CD GLU C 911 20.338 105.300 51.506 1.00 46.53 C ATOM 10119 OE1 GLU C 911 21.584 105.265 51.541 1.00 46.53 C ATOM 10120 OE2 GLU C 911 19.605 104.350 51.852 1.00 46.53 C ATOM 10121 C GLU C 911 17.722 106.010 49.128 1.00 33.40 C ATOM 10122 O GLU C 911 17.502 105.133 49.965 1.00 33.40 C ATOM 10123 N PRO C 912 16.771 106.891 48.754 1.00 69.29 C ATOM 10125 CA PRO C 912 15.405 106.770 49.262 1.00 69.29 C									0 C
ATOM 10117 CG GLU C 911 19.694 106.565 51.019 1.00 46.53 C ATOM 10118 CD GLU C 911 20.338 105.300 51.506 1.00 46.53 C ATOM 10119 0E1 GLU C 911 21.584 105.265 51.541 1.00 46.53 C ATOM 10120 0E2 GLU C 911 19.605 104.350 51.852 1.00 46.53 C ATOM 10121 C GLU C 911 17.722 106.010 49.128 1.00 33.40 C ATOM 10122 O GLU C 911 17.502 105.133 49.965 1.00 33.40 C ATOM 10123 N PRO C 912 16.771 106.891 48.754 1.00 69.29 C ATOM 10125 CA PRO C 912 15.405 106.770 49.262 1.00 69.29 C	MOTA	10115	CA	GLU C 911	19.126	106.180	48.546	1.00 33.4	0 C
ATOM 10118 CD GLU C 911 20.338 105.300 51.506 1.00 46.53 C ATOM 10119 OE1 GLU C 911 21.538 105.265 51.541 1.00 46.53 C ATOM 10120 OE2 GLU C 911 19.605 104.350 51.852 1.00 46.53 C ATOM 10121 C GLU C 911 17.722 106.010 49.128 1.00 33.40 C ATOM 10122 O GLU C 911 17.502 105.133 49.965 1.00 33.40 C ATOM 10123 N PRO C 912 16.771 106.891 48.754 1.00 69.29 C ATOM 10125 CA PRO C 912 17.016 108.298 48.387 1.00 32.33 C									S C
ATOM 10119 OE1 GLU C 911 21.584 105.265 51.541 1.00 46.53 C ATOM 10120 OE2 GLU C 911 19.605 104.350 51.852 1.00 46.53 C ATOM 10121 C GLU C 911 17.722 106.010 49.128 1.00 33.40 C ATOM 10122 O GLU C 911 17.502 105.133 49.965 1.00 33.40 C ATOM 10123 N PRO C 912 16.771 106.891 48.754 1.00 69.29 C ATOM 10124 CD PRO C 912 17.016 108.298 48.387 1.00 32.33 C ATOM 10125 CA PRO C 912 15.405 106.770 49.262 1.00 69.29 C									3 C
ATOM 10121 C GLU C 911 17.722 106.010 49.128 1.00 33.40 C ATOM 10122 O GLU C 911 17.502 105.133 49.965 1.00 33.40 C ATOM 10123 N PRO C 912 16.771 106.891 48.754 1.00 69.29 C ATOM 10124 CD PRO C 912 17.016 108.298 48.387 1.00 32.33 C ATOM 10125 CA PRO C 912 15.405 106.770 49.262 1.00 69.29 C	MOTA	10119	OE1	GLU C 911	21.584	105.265	51.541	1.00 46.5	3 C
ATOM 10122 O GLU C 911 17.502 105.133 49.965 1.00 33.40 C ATOM 10123 N PRO C 912 16.771 106.891 48.754 1.00 69.29 C ATOM 10124 CD PRO C 912 17.016 108.298 48.387 1.00 32.33 C ATOM 10125 CA PRO C 912 15.405 106.770 49.262 1.00 69.29 C									
ATOM 10123 N PRO C 912 16.771 106.891 48.754 1.00 69.29 C ATOM 10124 CD PRO C 912 17.016 108.298 48.387 1.00 32.33 C ATOM 10125 CA PRO C 912 15.405 106.770 49.262 1.00 69.29 C									
ATOM 10125 CA PRO C 912 15.405 106.770 49.262 1.00 69.29 C		10123	N	PRO C 912	16.771	106.891	48.754	1.00 69.2	9 с

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PRO C 912
PRO C 912
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ILE C 914
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GLU C 916
GLU C 916
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LEU C 917
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MOTA
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ATOM
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92.806
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MOTA	10467	CB	PRO C	955	12.649	99.558	68.936	1.00 94.74	C
ATOM ATOM	10468 10469	CG C	PRO C	955 955	12.816 10.184	101.013 99.525	68.672 68.550	1.00 94.74 1.00 69.46	C
ATOM ATOM	10470 10471	O N	PRO C	955 956	9.579 9.714	100.547 98.630	68.247 69.409	1.00 69.46 1.00 71.64	C
ATOM	10472	CA	GLY C	956	8.438	98.847	70.055	1.00 71.64	С
ATOM ATOM	10473 10474	С О	GLY C	956 956	7.165 6.475	98.338 97.512	69.398 69.992	1.00 71.64 1.00 71.64	C
ATOM ATOM	10475 10476	N CA	LYS C	957 957	6.840 5.583	98.791 98.353	68.187 67.590	1.00 34.57 1.00 34.57	C
MOTA	10477	CB	LYS C	957	4.733	99.574	67.232	1.00100.07	C
MOTA MOTA	10478 10479	CG CD	LYS C LYS C	957 957	3.255 2.572	99.242 98.743	66.987 68.266	1.00100.07	C
MOTA MOTA	10480 10481	CE NZ	LYS C	957 957	1.092	98.432 98.021	68.044 69.301	1.00100.07	C
ATOM	10482	С	LYS C	957	5.516	97.371	66.418	1.00 34.57	С
ATOM ATOM	10483 10484	O N	LYS C SER C	957 958	5.900 4.976	97.677 96.195	65.279 66.736	1.00 34.57 1.00 53.75	C C
ATOM ATOM	10485 10486	CA CB	SER C	958 958	4.735 3.728	95.105 95.542	65.796 64.738	1.00 53.75 1.00 27.38	c
MOTA	10487	OG	SER C	958	3.760	94.645	63.637	1.00 27.38	С
MOTA MOTA	10488 10489	С 0	SER C	958 958	5.874 6.828	94.427 95.071	65.070 64.641	1.00 53.75 1.00 53.75	C
ATOM ATOM	10490 10491	N CD	PRO C	959 959	5.751 4.633	93.099 92.332	64.887 65.465	1.00 40.02 1.00 84.92	c c
ATOM ATOM	10492 10493	CA CB	PRO C	959 959	6.689	92.196 90.833	64.215 64.732	1.00 40.02	С
MOTA	10494	CG	PRO C	959	4.786	90.981	64.805	1.00 84.92	C C
ATOM ATOM	10495 10496	C O	PRO C	959 959	6.523 7.487	92.306 92.474	62.702 61.966	1.00 40.02 1.00 40.02	c c
ATOM ATOM	10497 10498	N CA	GLU C	960 960	5.287 5.022	92.198 92.321	62.242 60.828	1.00 17.23 1.00 17.23	C
MOTA	10499	CB	GLU C	960	3.527	92.186	60.563	1.00 99.51	C
MOTA MOTA	10500 10501	CD	GLU C	960 960	3.123 1.634	92.591 92.485	59.159 58.936	1.00 99.51 1.00 99.51	C
MOTA MOTA	10502 10503	OE1 OE2	GLU C	960 960	1.171	92.850 92.035	57.831 59.867	1.00 99.51 1.00 99.51	C C
MOTA	10504	C	GLU C	960	5.498	93.705	60.402	1.00 17.23	C
ATOM ATOM	10505 10506	O N	GLU C	960 961	5.744 5.616	93.964 94.606	59.223 61.370	1.00 17.23 1.00 57.30	C
ATOM ATOM	10507 10508	CA CB	GLU C	961 961	6.058 5.621	95.959 96.925	61.072 62.177	1.00 57.30 1.00100.07	C
MOTA	10509	CG	GLU C	961	4.189	97.431	62.010	1.00100.07	C
ATOM ATOM	10510 10511	CD OE1		961 961	3.820 4.637	98.501 99.425	63.019 63.225	1.00100.07	C
ATOM ATOM	10512 10513	OE2	GLU C	961 961	2.712 7.560	98.425 95.987	63.597 60.914	1.00100.07 1.00 57.30	C C
MOTA MOTA	10514 10515	O N	GLU C	961 962	8.089 8.231	96.782 95.102	60.132 61.654	1.00 57.30 1.00 62.87	C C
MOTA	10516	CA	GLN C	962	9.693	94.966	61.639	1.00 62.87	C
ATOM ATOM	10517 10518	CB CG	GLN C GLN C	962 962	10.139 9.924	93.938 94.373	62.686 64.126	1.00100.07 1.00100.07	C
ATOM ATOM	10519 10520	CD OE1	GLN C	962 962	10.982 11.282	95.344 96.339	64.608 63.946	1.00100.07	C
MOTA	10521 10522	NE2	GLN C	962	11.550	95.062	65.774	1.00100.07	- C
ATOM ATOM	10523	0	GLN C	962 962	10.235 11.320	94.548 94.969	60.273 59.869	1.00 62.87 1.00 62.87	С
ATOM ATOM	10524 10525	N CA	ren c	963 963	9.487 9.930	93.707 93.276	59.568 58.264	1.00 62.04 1.00 62.04	C
MOTA MOTA	10526 10527	CB CG	LEU C	963 963	9.018 9.717	92.191 90.850	57.715 57.913	1.00 60.02 1.00 60.02	C C
MOTA	10528	CD1	LEU C	963	10.990	90.832	57.084	1.00 60.02	С
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ATOM ATOM	10531 10532	O N	LEU C	963 964	11.111	94.939 94.908	57.062 56.783	1.00 62.04 1.00 69.67	C
ATOM	10533	CA	LYS C	964 964	8.900 7.554	96.052	55.867	1.00 69.67	C
ATOM ATOM	10534 10535	CB CG	LYS C	964	7.465	96.768 97.952	55.871 54.930	1.00 42.42 1.00 42.42	C C
ATOM ATOM	10536 10537	CD		964 964	6.329 5.962	98.870 99.848	55.343 54.245	1.00 42.42 1.00 42.42	C
MOTA MOTA	10538 10539	NZ C	LYS C LYS C	964 964	5.250 9.982	99.167 97.011	53.131 56.352	1.00 42.42 1.00 69.67	C
MOTA	10540	0	LYS C	964	10.799	97.500	55.566	1.00 69.67	C
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ATOM ATOM	10543 10544	CB CG		965 965	10.805 11.591	98.101 99.171	59.799 60.534	1.00100.07 1.00100.07	C C
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MOTA MOTA	10718 10719	CD	ILE C 98	37	21.653 20.995	87.194 90.287	57.600 54.305	1.00 5.60 1.00 19.00	C C
MOTA MOTA	10720 10721	N O	ILE C 98 VAL C 98		20.447 21.291	89.543 91.552	53.506 54.015	1.00 19.00 1.00 71.61	C
ATOM ATOM	10722 10723	CA CB	VAL C 98		20.911 21.744	92.103 93.340	52.719 52.350	1.00 71.61 1.00 10.10	C
ATOM ATOM	10724 10725	CG1 CG2	VAL C 98	18	22.612 22.573	93.720 93.077	53.498 51.110	1.00 10.10 1.00 10.10	C
ATOM ATOM	10726 10727	C	VAL C 98	8	21.081 22.146	91.029 90.418	51.654	1.00 71.61 1.00 71.61	C
ATOM	10728	N	VAL C 98	9	20.003	90.793	50.914	1.00 12.86	C
ATOM ATOM	10729 10730	CA CB	VAL C 98	9	19.948 18.932	89.790 88.706	49.857 50.249	1.00 12.86 1.00 18.05	c c
ATOM ATOM	10731 10732	CG1 CG2	VAL C 98		18.448 19.566	87.963 87.751	49.030 51.238	1.00 18.05 1.00 18.05	C
ATOM ATOM	10733 10734	C O	VAL C 98		19.516 18.571	90.459 91.244	48.548 48.550	1.00 12.86 1.00 12.86	C C
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ATOM ATOM	10737 10738	C O	GLY C 99	0	20.474	90.417	44.901	1.00 15.70	Č
ATOM	10739	N	GLN C 99	1	19.803	90.667	44.904	1.00 15.70	C
ATOM ATOM	10740	CA CB	GLN C 99 GLN C 99	1	20.354 19.261	90.331 90.377	42.469 41.413	1.00 44.81 1.00 67.84	C
MOTA MOTA	10742 10743	CG CD	GLN C 99 GLN C 99		18.042 17.152	89.567 89.406	41.745 40.542	1.00 67.84 1.00 67.84	C
MOTA MOTA	10744 10745	OE1 NE2	GLN C 99 GLN C 99		16.740 16.853	90.390 88.160	39.920 40.195	1.00 67.84 1.00 67.84	C
ATOM ATOM	10746 10747	C O	GLN C 99 GLN C 99	1	21.465 21.224	91.281 92.459	42.058 41.814	1.00 44.81 1.00 44.81	Ċ
ATOM ATOM	10748 10749	N CA	MET C 99	2	22.684	90.777	41.961	1.00 34.86	C
MOTA	10750	CB	MET C 99	2	25.035	91.337	42.365	1.00 37.01	C
ATOM ATOM	10751 10752	CG SD	MET C 99 MET C 99	2	26.069 27.484	92.436 92.047	42.285 43.296	1.00 37.01 1.00 37.01	C
MOTA MOTA	10753 10754	CE C	MET C 99 MET C 99		26.771 24.063	92.246 91.569	44.909 40.105	1.00 37.01 1.00 34.86	C
MOTA MOTA	10755 10756	N N	MET C 99 PHE C 99		23.283 25.168	92.087 90.914	39.309 39.738	1.00 34.86 1.00 45.01	c
MOTA MOTA	10757 10758	CA CB	PHE C 99 PHE C 99		25.573 25.326	90.804 92.145	38.328 37.663	1.00 45.01 1.00 24.03	C
ATOM ATOM	10759 10760	CG	PHE C 99	3	25.888 27.132	92.271 92.843	36.314 36.127	1.00 24.03 1.00 24.03	č
ATOM ATOM	10761 10762		PHE C 99	3	25.119 27.600	91.964	35.206	1.00 24.03	C
ATOM	10763	CE2	PHE C 99	3	25.575	93.127	34.838	1.00 24.03	C
ATOM ATOM	10764 10765	CZ C	PHE C 99	3	26.816 27.042	92.829 90.427	33.736 38.235	1.00 24.03 1.00 45.01	C C
ATOM ATOM	10766 10767	O N	PHE C 99	4	27.910 27.323	91.272 89.159	38.408 37.957	1.00 45.01 1.00 48.02	C
ATOM ATOM	10768 10769	CA CB	ILE C 99		28.708 28.968	88.694 87.672	37.894 38.980	1.00 48.02 1.00 27.84	C
ATOM ATOM	10770 10771	CG2	ILE C 99 ILE C 99		30.441 28.158	87.598 88.022	39.231 40.239	1.00 27.84 1.00 27.84	C
ATOM ATOM	10772 10773	CD	ILE C 99 ILE C 99	4	28.305 29.199	89.456 88.092	40.722	1.00 27.84 1.00 48.02	C
MOTA MOTA	10774 10775	0 N	ILE C 99 MET C 99	4	28.906 29.973	86.937 88.895	36.226	1.00 48.02 1.00 17.58	_ C
MOTA	10776	CA	MET C 99	5	30.538	88.537	35.841 34.556	1.00 17.58	C
MOTA	10777	CB CG	MET C 99	5	31.076 31.195	89.804 90.898	33.930 34.976	1.00 19.94 1.00 19.94	C
MOTA MOTA	10779 10780	SD CE	MET C 99 MET C 99	5	31.878 31.076	92.444 92.559	34.388 32.790	1.00 19.94 1.00 19.94	C
MOTA MOTA	10781 10782	С 0	MET C 99 MET C 99		31.645 32.257	87.536 87.562	34.821 35.885	1.00 17.58 1.00 17.58	C
MOTA MOTA	10783 10784	N CA	LYS C 99 LYS C 99		31.893 32.927	86.645 85.624	33.865 34.026	1.00 48.97 1.00 48.97	C
ATOM ATOM	10785 10786	CB CG	LYS C 99 LYS C 99	6	32.368 33.415	84.251 83.160	33.686 33.589	1.00 14.40 1.00 14.40	Ċ
MOTA	10787	CD	LYS C 99	6	32.785	81.923	32.997	1.00 14.40	С
ATOM	10788	CE NZ	LYS C 99 LYS C 99	6	33.745	80.763	32.926 32.379	1.00 14.40	C
ATOM ATOM	10790	C 0	LYS C 99	6	34.166 34.215	85.856 85.465	33.180 32.015	1.00 48.97 1.00 48.97	C C
ATOM ATOM	10792 10793	N CA	LEU C 99	7	35.174 36.432	86.465 86.758	33.788 33.125	1.00 24.30 1.00 24.30	C
MOTA MOTA	10794 10795	CB CG	LEU C 99		37.354 36.767	87.378 88.633	34.150 34.757	1.00 5.72 1.00 5.72	C C
ATOM ATOM	10796 10797	CD1	TER C 33,	7	37.621 36.700	89.100 89.692	35.903 33.692	1.00 5.72 1.00 5.72	.c
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ATOM	10971	N CA	GLN	C1019 C1019	67.666	71.217	30.223	1.00 44.02	C
ATOM ATOM	10973	CB	GLN	C1019 C1019	67.025 67.290	72.415 73.725	32.273 31.560	1.00 30.53	C
MOTA MOTA	10975 10976	CD OE1	GLN	C1019 C1019	67.411 68.344	74.907 74.992	32.515 33.320	1.00 30.53 1.00 30.53	C C
MOTA MOTA	10977 10978	NE2		C1019 C1019	66.459 65.280	75.829 71.275	32.425 30.829	1.00 30.53 1.00 44.02	C
ATOM ATOM	10979 10980	O N		C1019 C1020	64.965 64.381	72.004 70.499	29.884 31.464	1.00 44.02 1.00 42.70	C C
ATOM ATOM	10981 10982	CD CA	PRO	C1020 C1020	64.652 62.950	70.085 70.354	32.856 31.166	1.00 38.29 1.00 42.70	Ċ
MOTA	10983 10984	CB CG	PRO	C1020 C1020	62.323 63.308	70.349	32.549	1.00 38.29	Ċ
ATOM ATOM	10985	C	PRO	C1020	62.323	71.409	33.335	1.00 38.29	С
MOTA MOTA	10986 10987	N O	LEU	C1020 C1021	62.444 61.642	72.607 70.951	30.503 29.212	1.00 42.70 1.00 85.35	c c
MOTA MOTA	10988 10989	CA CB		C1021 C1021	60.982 61.970	71.844 72.872	28.262 27.711	1.00 85.35 1.00 99.93	C C
ATOM ATOM	10990 10991	CG CD1		C1021 C1021	61.389 60.152	74.271 74.200	27.509 26.615	1.00 99.93 1.00 99.93	C
ATOM ATOM	10992 10993		LEU	C1021 C1021	61.038 60.374	74.865 71.042	28.866 27.110	1.00 99.93 1.00 85.35	c c
MOTA	10994	0	LEU	C1021	60.953	70.058	26.644	1.00 85.35	С
ATOM ATOM	10995 10996	N CA	GLY	C1022 C1022	59.210 58.537	71.476	26.642 25.581	1.00100.07	C
MOTA MOTA	10997 10998	0		C1022 C1022	57.750 57.907	69.623 69.367	26.228 27.428	1.00100.07 1.00100.07	C C
MOTA MOTA	10999 11000	N CA		C1023 C1023	56.897 56.107	68.954 67.856	25.450 25.991	1.00100.07 1.00100.07	C C
ATOM ATOM	11001 11002	C 0		C1023 C1023	55.164 53.944	67.123 67.333	25.046 25.086	1.00100.07	C
ATOM ATOM	11003 11004	N CA	LYS	C1024 C1024	55.722 54.920	66.257 65.478	24.201 23.266	1.00100.07	c c
ATOM	11005	CB	LYS	C1024	55.802	64.878	22.164	1.00 97.81	C
ATOM	11006 11007	CD	LYS	C1024 C1J24	56.619 57.317	65.896 65.261	21.368 20.153	1.00 97.81 1.00 97.81	C C
MOTA MOTA	11008 11009	CE NZ	LYS	C1024 C1024	58.382 58.971	64.231 63.543	20.541 19.354	1.00 97.81 1.00 97.81	C C
ATOM ATOM	11010 11011	С 0		C1024 C1024	54.258 54.358	64.357 63.179	24.066 23.698	1.00100.07 1.00100.07	C C
ATOM ATOM	11012 11013	N CA		C1025 C1025	53.594 52.903	64.745 63.827	25.161 26.074	1.00 54.60 1.00 54.60	C
ATOM ATOM	11014 11015	CB C	ALA	C1025 C1025	53.623 52.851	62.458 64.425	26.112 27.485	1.00 13.33 1.00 54.60	C
ATOM ATOM	11016 11017	O N	ALA	C1025 C1026	51.858 53.942	65.020 64.263	27.892 28.223	1.00 54.60 1.00 68.80	Ċ
MOTA	11018	CA	${\tt GLN}$	C1026	54.028	64.768	29.589	1.00 68.80	С
MOTA MOTA	11019 11020	CB CG	GLN	C1026 C1026	55.327 55.659	64.297 62.815	30.255 30.046	1.00100.07	c C
ATOM ATOM	11021 11022	CD OE1	GLN	C1026 C1026	56.471 56.049	62.555 62.885	28.782 27.673	1.00100.07 1.00100.07	C C
ATOM ATOM	11023 11024	NE2 C		C1026 C1026	57.645 53.971	61.955 66.283	28.949 29.625	1.00100.07 1.00 68.80	C
ATOM ATOM	11025 11026	O N		C1026 C1027	53.210 54.793	66.857 66.918	30.397 28.795	1.00 68.80 1.00 58.78	- C
ATOM ATOM	11027 11028	CA CB		C1027 C1027	54.853 53.586	68.372 68.887	28.711 28.011	1.00 58.78 1.00 99.80	C C
ATOM ATOM	11029 11030	CG	PHE	C1027 C1027	53.797 52.740	70.128 70.662	27.168 26.426	1.00 99.80 1.00 99.80	Ċ
ATOM	11031 11032	CD2	PHE	C1027 C1027	55.038 52.914	70.761	27.107	1.00 99.80	c c
ATOM	11033	CE2	PHE	C1027	55.224	71.809	25.640 26.323	1.00 99.80	C
MOTA	11034	CZ C	PHE	C1027	54.160 54.994	72.432	25.586	1.00 99.80	C
ATOM ATOM	11036 11037	o N	GLY	C1027 C1028	54.869 55.267	68.291 70.283	31.123 30.162	1.00 58.78 1.00 82.86	C C
ATOM ATOM	11038 11039	CA C		C1028 C1028	55.409 56.683	70.946 71.753	31.444 31.521	1.00 82.86 1.00 82.86	C
ATOM ATOM	11040 11041	N O		C1028 C1029	56.936 57.479	72.593 71.502	30.656 32.558	1.00 82.86 1.00 98.74	C
ATOM ATOM	11042 11043	CA C	GLY	C1029 C1029	58.742 58.689	72.204 73.359	32.728 33.711	1.00 98.74 1.00 98.74	C C
ATOM ATOM	11044 11045	O N	GLY	C1029 C1030	58.813 58.530	74.520	33.318	1.00 98.74	c c
MOTA	11046	CA	GLN	C1030	58.433	73.045	34.993 36.015	1.00 59.66 1.00 59.66	С
ATOM	11047	CB CG	GLN	C1030 C1030	58.390 57.748	73.457	37.395 38.355	1.00 22.64	C
MOTA MOTA	11049 11050	CD OE1		C1030 C1030	56.727 57.082	75.281 76.304	37.672 37.080	1.00 22.64 1.00 22.64	C

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65.226
66.091
ATOM
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                                                          41.677
                                                                    1.00 98.19
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                     GLU C1034
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82.939
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1.00 31.25
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ATOM
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ATOM
       11082
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GLU C1034
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                CG
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ATOM
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ATOM
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11086
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GLU C1034
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66.584
                                                86.747
87.392
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1.00 25.78
ATOM
               OE1
               OE2
ATOM
                     GLU C1034
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MOTA
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       11088
                     GLU C1034
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MOTA
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MET C1035
MOTA
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                                                84.217
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85.087
ATOM
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43.500
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ATOM
MOTA
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               CG
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       11093
                    MET C1035
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ATOM
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MOTA
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                    MET C1035
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MET C1035
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64.017
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46.695
44.909
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1.00 33.31
MOTA
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63.048
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ATOM
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ATOM
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                                                          45.613
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GLU C1036
GLU C1036
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80.247
81.520
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1.00 47.40
1.00 47.40
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61.124
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43.246
ATOM
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       11101
               CD
ATOM
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MOTA
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               OE2 GLU C1036
C GLU C1036
ATOM
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64.438
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1.00 25.45
ATOM
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67.870
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ATOM
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MOTA
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67.551
67.017
                    VAL C1037
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MOTA
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                                                                                        C
                    VAL C1037
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1.00 52.60
       11110
               CG2
                                                80.446
                                                          43.540
47.254
ATOM
       11111
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                    VAL C1037
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MOTA
       11112
                Ó
                    VAL C1037
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                                                79.890
                                                          48.194
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ATOM
                    TRP C1038
ATOM
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ATOM
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66.816
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84.048
                                                          48.690
48.752
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1.00 30.22
ATOM
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               СB
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67.071
       11116
                    TRP C1038
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                                                          47.894
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MOTA
       11117
               CD2
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                                                          47.018
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86.438
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86.023
87.628
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TRP C1038
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65.775
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46.721
47.752
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1.00 30.22
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               CE3
ATOM
       11119
ATOM
       11120
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                    TRP C1038
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                                                                    1.00 30.22
MOTA
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66.729
66.437
66.991
MOTA
       11123
               CZ3 TRP C1038
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1.00 23.44
MOTA
       11124
               CH2
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81.090
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MOTA
       11125
               C
ATOM
       11126
               Ö
                    TRP C1038
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ATOM
       11127
                    ALA C1039
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                                                                           5.13
MOTA
       11128
               CA
                    ALA C1039
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                                                81.009
                                                          50.368
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                                                                           5.13
                                      62.931
64.847
ATOM
       11129
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C
                    ALA C1039
ALA C1039
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79.732
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       11130
                                                          50.859
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MOTA
                                                                           5.13
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ATOM
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65.783
                                                78.847
ATOM
       11132
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                    LEU C1040
                                                          49.926
                                                                    1.00
ATOM
       11133
               CA
                    LEU C1040
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                                                          50.327
                                                                    1.00 22.00
ATOM
       11134
               CB
                    LEU C1340
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                                                76.818
                                                          49.098
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ATOM	11135	CG	LEU	C1040	65.075	76.292	48.237	1.00 39.12	С
MOTA	11136	CD1	LEU	C1040	63.977	75.746	49.146	1.00 39.12	C
MOTA	11137	CD2	LEU	C1040	64.511	77.399	47.377	1.00 39.12	С
ATOM	11138	C	LEU	C1040	66.952	77.945	51.246	1.00 22.00	Č
ATOM	11139	ō		C1040	67.016	77.444	52.366	1.00 22.00	č
ATOM	11140	N		C1041	67.853	78.812	50.789	1.00 24.23	č
ATOM	11141	CA		C1041	69.008	79.223	51.593	1.00 24.23	Č
ATOM	11142	CB		C1041					
				C1041	69.848	80.280	50.854	1.00 17.57	C
MOTA	11143	CG			70.602	79.823	49.595	1.00 17.57	C
ATOM	11144	CD		C1041	71.273	80.994	48.855	1.00 17.57	C
ATOM	11145	OE1		C1041	70.549	81.939	48.505	1.00 17.57	С
MOTA	11146	OE2		C1041	72.500	80.988	48.618	1.00 17.57	С
MOTA	11147	С	GLU	C1041	68.533	79.830	52.917	1.00 24.23	C
ATOM	11148	0	GLU	C1041	68.859	79.317	53.990	1.00 24.23	C
ATOM	11149	N	ALA	C1042	67.768	80.927	52.816	1.00 11.12	C
MOTA	11150	CA	ALA	C1042	67.237	81.669	53.967	1.00 11.12	C
ATOM	11151	CB	ALA	C1042	65.966	82.425	53.590	1.00 58.04	С
MOTA	11152	C		C1042	66.962	80.687	55.062	1.00 11.12	C
MOTA	11153	ō		C1042	67.303	80.928	56.203	1.00 11.12	č
ATOM	11154	N		C1043	66.341	79.569	54.722	1.00 37.76	č
ATOM	11155	CA		C1043	66.110	78.552	55.734	1.00 37.76	c
ATOM									
	11156	CB		C1043	65.239	77.400	55.214	1.00 32.84	C
ATOM	11157	CG CD1		C1043	63.763	77.658	55.144	1.00 32.84	C
ATOM	11158	CD1		C1043	63.196	78.229	54.024	1.00 32.84	Ċ
ATOM	11159	CE1		C1043	61.838	78.423	53.948	1.00 32.84	C
MOTA	11160	CD2		C1043	62.927	77.292	56.193	1.00 32.84	C
ATOM	11161	CE2		C1043	61.572	77.484	56.125	1.00 32.84	C
ATOM	11162	CZ		C1043	61.033	78.046	54.999	1.00 32.84	C
MOTA	11163	ОН		C1043	59.678	78.214	54.896	1.00 32.84	C
ATOM	11164	C	TYR	C1043	67.486	77.970	55.979	1.00 37.76	C
ATOM	11165	0	TYR	C1043	68.415	78.611	56.468	1.00 37.76	С
ATOM	11166	N		C1044	67.577	76.724	55.572	1.00 30.65	Ċ
MOTA	11167	CA		C1044	68.772	75.941	55.667	1.00 30.65	č
ATOM	11168	C		C1044	68.100	74.715	55.125	1.00 30.65	č
ATOM	11169	õ		C1044	67.077	74.293	55.663	1.00 30.65	Ċ
MOTA	11170	N		C1045	68.616	74.174			
							54.039	1.00 28.37	C
ATOM	11171	CA		C1045	68.007	72.999	53.475	1.00 28.37	C
ATOM	11172	CB		C1045	66.599	73.309	53.066	1.00 5.07	C
ATOM	11173	C		C1045	68.818	72.594	52.278	1.00 28.37	C
ATOM	11174	0		C1045	68.378	71.779	51.470	1.00 28.37	C
ATOM	11175	N		C1046	70.008	73.175	52.175	1.00 24.84	С
MOTA	11176	CA		C1046	70.913	72.916	51.066	1.00 24.84	C
MOTA	11177	CB	ALA	C1046	72.342	72.826	51.574	1.00 42.88	C
ATOM	11178	C	ALA	C1046	70.532	71.651	50.307	1.00 24.84	C
ATOM	11179	0	ALA	C1046	70.229	71.710	49.108	1.00 24.84	С
MOTA	11180	N	HIS	C1047	70.511	70.516	51.006	1.00 19.24	C
ATOM	11181	CA	HIS	C1047	70.163	69.264	50.343	1.00 19.24	С
ATOM	11182	CB	HIS	C1047	70.054	68.134	51.365	1.00 99.82	C
MOTA	11183	CG		C1047	71.384	67.597	51.793	1.00 99.82	C
ATOM	11184			C1047	72.044	67.677	52.973	1.00 99.82	Ċ
ATOM	11185			C1047	72.224	66.923	50.933		
MOTA		ND1							
	11186			C1047	73.341			1.00 99.82	C
	11186 11187	CE1	HIS	C1047	73.341	66.612	51.564	1.00 99.82	C
ATOM	11187	CE1 NE2	HIS HIS	C1047	73.258	66.612 67.057	51.564 52.804	1.00 99.82 1.00 99.82	CCC
ATOM	11187 11188	CE1 NE2 C	HIS HIS HIS	C1047 C1047	73.258 68.897	66.612 67.057 69.378	51.564 52.804 49.507	1.00 99.82 1.00 99.82 1.00 19.24	0 0 0
ATOM ATOM	11187 11188 11189	CE1 NE2 C O	HIS HIS HIS	C1047 C1047 C1047	73.258 68.897 68.895	66.612 67.057 69.378 69.004	51.564 52.804 49.507 48.335	1.00 99.82 1.00 99.82 1.00 19.24 1.00 19.24	00000
ATOM ATOM MOTA	11187 11188 11189 11190	CE1 NE2 C O N	HIS HIS HIS THR	C1047 C1047 C1047 C1048	73.258 68.897 68.895 67.832	66.612 67.057 69.378 69.004 69.908	51.564 52.804 49.507 48.335 50.100	1.00 99.82 1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66	000000
ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191	CE1 NE2 C O N CA	HIS HIS HIS THR THR	C1047 C1047 C1047 C1048 C1048	73.258 68.897 68.895 67.832 66.573	66.612 67.057 69.378 69.004 69.908 70.091	51.564 52.804 49.507 48.335 50.100 49.387	1.00 99.82 1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66	0000000
MOTA MOTA MOTA MOTA MOTA	11187 11188 11189 11190 11191 11192	CE1 NE2 C O N CA CB	HIS HIS HIS THR THR THR	C1047 C1047 C1047 C1048 C1048 C1048	73.258 68.897 68.895 67.832 66.573 65.543	66.612 67.057 69.378 69.004 69.908 70.091 70.846	51.564 52.804 49.507 48.335 50.100 49.387 50.219	1.00 99.82 1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66	0000000
ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193	CE1 NE2 C O N CA CB OG1	HIS HIS HIS THR THR THR	C1047 C1047 C1047 C1048 C1048 C1048 C1048	73.258 68.897 68.895 67.832 66.573 65.543 65.303	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449	1.00 99.82 1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37	00000000
ATOM MOTA MOTA ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194	CE1 NE2 C O N CA CB OG1 CG2	HIS HIS HIS THR THR THR THR	C1047 C1047 C1047 C1048 C1048 C1048 C1048 C1048	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437	1.00 99.82 1.00 99.82 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37	
ATOM MOTA MOTA MOTA MOTA MOTA MOTA	11187 11188 11189 11190 11191 11192 11193 11194 11195	CE1 NE2 C O N CA CB OG1 CG2 C	HIS HIS HIS THR THR THR THR THR	C1047 C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437 48.162	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196	CE1 NE2 C O N CA CB OG1 CG2 C	HIS HIS HIS THR THR THR THR THR THR	C1047 C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1048	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.676	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437 48.162 47.087	1.00 99.82 1.00 99.82 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 41.37	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11197	CE1 NE2 C O N CA CB OG1 CG2 C	HIS HIS HIS THR THR THR THR THR THR THR	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049	73.258 68.897 68.897 67.832 66.573 65.543 65.303 64.251 66.840 67.667	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.676 71.967	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437 48.162 47.087 48.345	1.00 99.82 1.00 99.82 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 34.66	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11197 11198	CE1 NE2 C O CA CB OG1 CG2 C	HIS HIS HIS THR THR THR THR THR THR LEU LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.676 71.967 72.868	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437 48.162 47.087 48.345 47.257	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 34.66 1.00 34.66	,
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB	HIS HIS HIS THR THR THR THR THR THR LEU LEU LEU	C1047 C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049	73.258 68.897 68.895 67.832 66.573 65.303 64.251 66.840 66.300 67.667 68.023 68.731	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.676 71.967 72.868 74.114	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437 48.162 47.087 48.345 47.257 47.780	1.00 99.82 1.00 99.82 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 22.64	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB	HIS HIS HIS THR THR THR THR THR LEU LEU LEU LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.300 67.667 68.023 68.731 69.247	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.938 71.967 72.868 71.967 72.864	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437 48.162 47.087 48.345 47.257 47.780 46.612	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB CG CD1	HIS HIS HIS THR THR THR THR THR THR LEU LEU LEU LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.300 67.667 68.023 68.731 69.247 68.099	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.676 71.967 72.868 74.114 75.267	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437 48.162 47.087 48.345 47.257 47.780 46.612 45.712	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11199 11200 11200 11201	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB CG CD1 CD2	HIS HIS HIS THR THR THR THR THR LEU LEU LEU LEU LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049	73.258 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023 68.731 69.247 68.099 69.876	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.676 71.967 72.868 74.114 74.954 75.267 76.229	51.564 52.804 49.507 48.335 50.100 49.387 50.219 49.437 48.162 47.087 48.345 47.257 47.780 46.612 45.712 47.092	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64	,
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB CG CD1	HIS HIS HIS THR THR THR THR LEU LEU LEU LEU LEU LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023 68.731 69.247 68.099 69.876 69.876	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.676 71.967 72.868 74.114 74.954 75.267 76.229 72.182	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 48.162 47.087 48.345 47.780 46.612 45.712 47.092 46.253	1.00 99.82 1.00 99.82 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 41.37 1.00 27.07 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64 1.00 22.64 1.00 27.07	,
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11193 11194 11195 11197 11198 11199 11200 11201 11202 11203 11204	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB CG CD1 CD2	HIS HIS HIS THR THR THR THR THR LEU LEU LEU LEU LEU LEU LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 67.667 68.023 68.731 69.247 68.099 69.876 68.932 68.747	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.938 70.676 71.967 72.868 74.114 75.267 76.229 72.182 72.327	51.564 52.804 49.335 50.100 49.387 50.219 51.449 49.437 48.345 47.257 47.780 46.612 45.712 46.253 45.050	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203 11204 11205	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB CCD1 CD2 C	HIS HIS HIS THR THR THR THR THR LEU LEU LEU LEU LEU LEU LEU LEU GLN	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023 68.731 69.247 69.876 68.932 68.747 69.923	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.676 71.967 72.868 74.114 75.267 76.229 72.182 72.182 72.182 71.451	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 48.162 47.087 48.345 47.780 46.612 45.712 47.092 46.253	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 27.07 1.00 22.64 1.00 27.07 1.00 27.07	,
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203 11204 11205 11206	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB CG CD1 CD2 C	HIS HIS HIS THR THR THR THR THR LEU LEU LEU LEU LEU LEU LEU LEU GLN GLN	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C105 C105 C105 C105 C105 C105 C105 C105	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023 68.731 69.247 68.099 69.876 68.932 68.747 68.9523 70.876	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.959 70.938 70.676 71.967 72.868 74.114 75.267 76.229 72.182 72.327 71.451 70.723	51.564 52.804 49.335 50.100 49.387 50.219 51.449 49.437 48.345 47.257 47.780 46.612 45.712 46.253 45.050	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64 1.00 27.07 1.00 27.07	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203 11204 11205	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB CCD1 CD2 C	HIS HIS HIS THR THR THR THR THR LEU LEU LEU LEU LEU LEU LEU GLN GLN	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1050 C1050 C1050	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023 68.731 69.247 69.876 68.932 68.747 69.923	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.676 71.967 72.868 74.114 75.267 76.229 72.182 72.182 72.182 71.451	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437 48.162 47.087 47.780 46.7612 47.092 46.712 47.092 46.050 46.761	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 27.07 1.00 22.64 1.00 27.07 1.00 27.07	,
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203 11204 11205 11206	CE1 NE2 C O N CA CB OG1 CG2 C O N CA CB CD1 CD2 C	HIS HIS HIS THR THR THR THR THR LEU LEU LEU LEU LEU LEU LEU GLN GLN	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C105 C105 C105 C105 C105 C105 C105 C105	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023 68.731 69.247 68.099 69.876 68.932 68.747 68.9523 70.876	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.959 70.938 70.676 71.967 72.868 74.114 75.267 76.229 72.182 72.327 71.451 70.723	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 48.162 47.087 48.345 47.712 45.712 46.612 47.092 46.253 45.761 46.922	1.00 99.82 1.00 99.82 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 41.37 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64 1.00 27.07 1.00 22.64 1.00 27.07 1.00 27.07 1.00 27.07 1.00 66.41	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11197 11198 11199 11200 11201 11202 11203 11204 11205 11207	CE1 NE2 C O N CA CB OG1 CG CD1 CD2 C O N CA CB CCD1 CD2 C	HIS HIS HIS THR THR THR THR THR LEU LEU LEU LEU LEU GLN GLN GLN	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1050 C1050 C1050	73.258 68.897 67.832 66.573 65.543 65.543 65.303 64.251 66.840 67.667 68.023 68.731 69.247 68.099 69.876 68.932 68.747 69.923 68.747	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 71.967 72.868 74.114 75.267 76.229 72.327 71.451 70.723 69.755	51.564 52.804 49.335 50.100 49.387 50.219 51.449 49.437 48.345 47.257 46.612 47.092 46.253 46.750 46.761 45.792 46.799	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64 1.00 27.07 1.00 66.41 1.00 41.38	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203 11204 11205 11206 11207 11208	CE1 NE2 C O N CA CB CG CD1 CD2 C O N CA CB CCG CD1 CD2 C C C C C C C C C C C C C C C C C C	HIS HIS HIS THR THR THR THR THR LEU LEU LEU LEU LEU LEU GLN GLN GLN	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1050 C1050 C1050	73.258 68.897 68.897 67.832 66.573 65.543 65.303 64.251 66.840 67.667 68.023 68.731 69.247 68.099 69.876 68.932 68.747 69.923 70.876 71.708 72.482	66.612 67.057 69.378 69.908 70.091 70.846 70.152 70.969 70.938 74.114 75.267 72.182 72.182 72.182 72.182 72.182 72.182 72.182 72.182 72.182 73.755 74.954 75.267 76.229 77.451 76.868 76.868 77.668	51.564 52.804 49.507 48.335 50.100 49.387 50.219 51.449 49.437 48.162 47.087 48.345 47.780 46.7612 45.712 46.050 46.761 45.792 46.761 45.792 46.761 45.839	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 27.07 1.00 22.64 1.00 27.07 1.00 22.64 1.00 27.07 1.00 66.41 1.00 66.41 1.00 41.38 1.00 41.38	,
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11196 11197 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210	CE1 NE2 C O N CA CB CG CD1 CD2 C O N CA CB CCG CD1 CD2 C C C C C C C C C C C C C C C C C C	HIS HIS HIS THR THR THR THR THR THR TLEU LEU LEU LEU LEU LEU LEU LEU LEU LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1050 C1050 C1050 C1050 C1050	73.258 68.897 68.895 67.832 66.573 65.543 65.543 64.251 66.840 66.300 67.667 68.023 68.731 69.876 68.932 68.747 20.876 71.708 72.482 72.482 72.482 74.836	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.969 70.938 70.676 71.967 72.868 74.114 74.954 75.267 72.182 72.182 72.327 71.451 70.723 69.755 68.892 68.180	51.564 52.804 49.335 50.100 49.387 50.219 51.449 49.437 48.162 47.780 46.612 47.780 46.250 46.7612 47.792 46.253 45.792 46.792 46.792 46.792 46.793 46.79	1.00 99.82 1.00 99.82 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 41.37 1.00 27.07 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 27.07 1.00 27.07 1.00 27.07 1.00 27.07 1.00 27.07 1.00 66.41 1.00 41.38 1.00 41.38 1.00 41.38	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11189 11190 11191 11192 11193 11194 11195 11197 11198 11199 11200 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210 11211	CE1 NE2 C O N CA CB CG CCD C C O N CA CB CCD C C O O N CA CB CCD C C O CD C C C C C C C C C C C C C	HIS HIS THR THR THR THR THR THR THR THR LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1050 C1050 C1050 C1050 C1050 C1050 C1050 C1050	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023 68.731 69.247 69.876 68.932 69.876 68.932 70.876 71.708 71.708 72.482 73.972	66.612 67.057 69.378 69.908 70.091 70.846 70.152 70.969 70.938 74.114 75.267 72.182 72.182 72.182 72.182 72.182 72.182 72.182 72.182 72.182 73.755 74.954 75.267 76.229 77.451 76.868 76.868 77.668	51.564 52.804 49.335 50.100 49.337 50.219 51.449 49.437 48.345 47.612 45.712 45.712 46.253 46.7612	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64 1.00 27.07 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 111190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210 11211 11212	CE1 NE2 C O N CA CB CG CD1 CCB CC O N CA CCB CCD CCD CCD CCD CCD CCD CCD CCD CCD	HIS HIS HIS THR THR THR THR THR THR LEU LEU LEU LEU LEU GLN	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1050 C1050 C1050 C1050 C1050 C1050 C1050 C1050 C1050 C1050 C1050	73.258 68.897 68.897 66.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023 68.731 69.247 69.876 68.932 68.747 69.923 70.876 71.708 72.482 73.972 74.836 74.275 70.112	66.612 67.057 69.378 69.004 69.908 70.091 70.846 70.152 70.967 71.967 72.868 74.114 75.267 76.229 72.182 72.182 72.182 72.182 72.185 68.615 68.892 68.180 69.915	51.564 52.804 49.335 50.100 49.387 50.219 51.449 49.437 48.345 47.257 47.780 46.7612 46.7612 46.7612 46.7614 45.712 46.7614 46.7644 46.764	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 27.07 1.00 22.64 1.00 27.07 1.00 27.07 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11190 11191 11192 11193 11194 11195 11196 11197 11199 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210 11211 11212 11213	CE1 NE2 C O N CA CB CG2 CO1 CC2 C O N CA CB CD2 CD1 N CA CB CD2 CD2 CD2 CD2 CD2 CD2 CD2 CD2 CD2 CD3 CD3 CD3 CD3 CD3 CD3 CD3 CD3 CD3 CD3	HIS HIS HIS THR THR THR THR THR THR LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1050	73.258 68.897 68.895 67.832 66.573 65.543 65.303 64.251 66.840 66.300 67.667 68.023 68.731 69.247 69.876 74.275 70.876 71.708 74.275 74.836 74.275 70.372	66.612 67.057 69.378 69.004 69.908 70.846 70.958 70.967 71.967 72.868 74.114 75.267 72.182 72.195 69.919 69.919 69.955 70.096	51.564 52.804 49.335 50.100 49.3819 51.449 49.437 48.162 47.7612 46.712 46.712 46.753 45.762 46.7612 46.792 46.792 46.792 46.370 46.	1.00 99.82 1.00 99.82 1.00 19.24 1.00 34.66 1.00 34.66 1.00 34.66 1.00 34.66 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64 1.00 27.07 1.00 22.64 1.00 27.07 1.00 22.64 1.00 27.07 1.00 27.07 1.00 27.07 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 66.41 1.00 66.41	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11199 11191 11192 11193 11194 11195 11197 11198 11200 11201 11202 11203 11204 11205 11205 11207 11208 11209 11211 11212 11211 11212 11213	CE1 NE2 CON NCA CCB CCG CCD1 CCA CCB CCD CCA CCB CCD NCA CCB CCD NCA CCB CCD NCA CCB CCD NE2 CCD NE2 CCD NE2 CCD NCCA CCB CCD NE2 CCD NCCA CCB CCC CCD NCCA CCB CCC CCD NCCA CCB CCC CCD NCCA CCB CCC CCB CCC CCB CCC CCB CCC CCB CCC CCB CCC CC	HIS HIS HIS THR THR THR THR THR THR LEU	C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1049 C1050	73.258 68.897 66.832 66.573 65.543 65.543 66.251 66.840 67.667 68.023 69.247 68.029 69.876 68.747 69.923 68.747 69.923 72.482 74.482 74.275 70.112 70.372 69.149	66.612 67.057 69.378 69.004 69.908 70.916 70.152 70.969 70.938 70.676 71.967 72.868 74.114 75.267 72.327 71.451 70.755 68.615 68.615 68.189 69.919 69.955 69.155	51.564 52.804 49.335 50.100 49.387 50.219 51.449 49.437 48.345 47.612 47.092 45.712 46.612 47.093 46.7612 46.7712 46.7712 46.7712 46.7712 46.7712	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 41.37 1.00 22.64 1.00 22.64 1.00 22.64 1.00 22.64 1.00 27.07 1.00 27.07 1.00 27.07 1.00 27.07 1.00 27.07 1.00 27.07 1.00 27.07 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 66.41 1.00 66.41 1.00 66.41 1.00 66.41 1.00 41.38 1.00 41.38 1.00 66.41 1.00 66.41 1.00 66.41	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210 11211 11212 11213 11214 11215	CE1 NE2 C O N CA CB CG CD1 CCB CCB CCB CCB CCB CCB CCB CCB CCB CC	HIS HIS THR THR THR THR THR THR LEU LEU LEU LEU LEU LEU LEU LEU GLM	C1047 C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1050 C1051 C1051	73.258 68.897 68.897 66.832 66.573 65.543 65.303 64.251 66.840 67.667 68.023 68.731 68.099 69.8747 68.932 70.876 71.708 72.482 73.972 74.836 74.275 70.112 70.372 69.348	66.612 67.057 69.378 69.304 69.908 70.916 70.152 70.967 71.967 72.868 74.114 75.267 76.229 72.327 71.451 76.723 68.615 68.892 69.915 69.915 69.915 69.356	51.564 52.804 49.335 50.100 49.337 50.219 51.449 49.437 48.345 47.7812 47.092 45.712 46.751 46.751 46.751 46.761	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64 1.00 22.64 1.00 27.07 1.00 27.07 1.00 27.07 1.00 27.07 1.00 22.64 1.00 27.07 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 66.41 1.00 66.41	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 111190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210 11211 11212 11213 11212 11213 11215 11215	CE1 NE2 C O N CA CB CCB CD1 CCB CCB CCB CCB CCB CCB CCB CCB CCB CC	HIS HIS HIS THR THR THR THR THR THR LEU LEU LEU LEU LEU GLN	C1047 C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1050 C1051 C1051	73.258 68.897 68.897 66.573 65.543 65.543 64.251 66.840 66.300 67.667 68.023 68.731 69.247 69.876 68.932 68.747 69.876 71.708 72.482 73.972 74.836 70.112 70.372 69.149 69.336 68.731	66.612 67.057 69.378 69.908 70.916 70.152 70.969 70.967 71.967 72.868 74.114 75.267 76.229 72.182 77.451 76.723 68.615 68.615 69.955 70.096 69.155 68.356 67.539	51.564 52.804 49.335 50.100 49.387 50.219 51.449 49.437 48.345 47.257 47.780 46.7612 46.7612 46.7612 46.7612 46.7614 45.712 46.7614 45.712 46.7614 46.839 46.839 46.847 44.842 43.647 44.842 43.647 44.842 43.647 44.842 43.647 45.277 44.842 43.647 44.842 43.647 44.842 43.647 45.202	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64 1.00 27.07 1.00 66.41 1.00 41.38 1.00 66.41 1.00 66.41 1.00 66.41 1.00 66.41 1.00 66.41 1.00 66.41	
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	11187 11188 11190 11191 11192 11193 11194 11195 11196 11197 11198 11199 11200 11201 11202 11203 11204 11205 11206 11207 11208 11209 11210 11211 11212 11213 11214 11215	CE1 NE2 C O N CA CB CG CD1 CCB CCB CCB CCB CCB CCB CCB CCB CCB CC	HIS HIS THR THR THR THR THR THR LEU	C1047 C1047 C1047 C1048 C1048 C1048 C1048 C1048 C1048 C1049 C1049 C1049 C1049 C1049 C1049 C1050 C1051 C1051	73.258 68.897 68.897 66.832 66.573 65.543 65.303 64.251 66.840 67.667 68.023 68.731 68.099 69.8747 68.932 70.876 71.708 72.482 73.972 74.836 74.275 70.112 70.372 69.348	66.612 67.057 69.378 69.304 69.908 70.916 70.152 70.967 71.967 72.868 74.114 75.267 76.229 72.327 71.451 76.723 68.615 68.892 69.915 69.915 69.915 69.356	51.564 52.804 49.335 50.100 49.337 50.219 51.449 49.437 48.345 47.7812 47.092 45.712 46.751 46.751 46.751 46.761	1.00 99.82 1.00 19.24 1.00 19.24 1.00 34.66 1.00 34.66 1.00 41.37 1.00 41.37 1.00 34.66 1.00 27.07 1.00 22.64 1.00 22.64 1.00 22.64 1.00 22.64 1.00 27.07 1.00 27.07 1.00 27.07 1.00 27.07 1.00 22.64 1.00 27.07 1.00 41.38 1.00 41.38 1.00 41.38 1.00 41.38 1.00 66.41 1.00 66.41	

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               \mathbf{C}
                                                        41.711
                                                                  1.00100.07
                    ALA F 487
       12096
ATOM
                                                        40.924
                                                                  1.00100.07
                                                        41.440 40.172
                    ALA F 488
                                    109.089 111.031
                                                                  1.00 97.36
ATOM
       12097
                    ALA F 488
MOTA
       12098
               CA
                                    108.885 111.722
                                                                  1.00 97.36
       12099
                    ALA F 488
                                                        38.994
                                                                  1.00 78.09
ATOM
               CB
                                    109.311 110.832
                    ALA F 488
ATOM
       12100
                                    107.403 112.063
                                                        40.065
                                                                  1.00 97.36
                    ALA F 488
ATOM
       12101
                                    106.673 112.024
                                                        41.058
                                                                  1.00 97.36
                                                                                    F
                                    106.961 112.393
105.565 112.739
ATOM
                    ALA F 489
       12102
                                                        38.857
38.624
                                                                  1.00100.07
               N
                    ALA F 489
MOTA
       12103
               CA
                                                                  1.00100.07
                    ALA F 489
ALA F 489
MOTA
       12104
                                    105.379 113.231
                                                        37.182
               CB
                                                                  1.00 95.80
MOTA
       12105
                                    104.660 111.540
                                                        38.897
                                                                  1.00100.07
                    ALA F 489
                                    104.450 111.156
104.132 110.956
                                                        40.051
                                                                  1.00100.07
ATOM
       12106
               0
                    ALA F 490
ATOM
       12107
                                                        37.824
37.921
                                                                 1.00 99.59
1.00 99.59
                    ALA F 490
                                    103.245 109.804
ATOM
       12108
               CA
MOTA
       12109
                    ALA F 490
                                    102.754 109.404
               CB
                                                        36.533
                                                                  1.00 77.92
                    ALA F 490
ALA F 490
ATOM
       12110
                                    103.924 108.618
                                                        38.594
                                                                  1.00 99.59
ATOM
       12111
                                    105.022 108.203
                                                        38.206
                                                                  1.00 99.59
                    ALA F 491
                                    103.256 108.079
103.771 106.941
ATOM
       12112
               N
                                                        39.606
                                                                  1.00 63.35
                    ALA F 491
       12113
                                                        40.344
MOTA
               CA
                                                                  1.00 63.35
                    ALA F 491
                                    102.876 106.653
                                                        41.520
ATOM
       12114
               СВ
                                                                  1.00 33.73
ATOM
       12115
                    ALA F 491
                                    103.838 105.730
                                                        39.429
                                                                  1.00 63.35
ATOM
       12116
                    ALA F 491
                                    104.916 105.190
                                                        39.189
                                                                  1.00 63.35
                    ALA F 492
ATOM
       12117
               N
                                    102.681 105.319
                                                        38.915
                                                                  1.00 80.27
       12118
                    ALA F 492
                                    102.594 104.167
               CA
ATOM
                                                        38.024
                                                                  1.00 80.27
MOTA
       12119
               СВ
                    ALA F 492
                                    102.730 104.622
                                                        36.575
                                                                 1.00 21.41
       12120
                    ALA F 492
                                    103.699 103.175
                                                        38.382
MOTA
               C
                                                                 1.00 80.27
ATOM
       12121
                    ALA F 492
ALA F 493
                                    103.795 102.743
                                                        39.532
                                                                  1.00 80.27
MOTA
       12122
               N
                                    104.535 102.843
                                                        37.399
                                                                  1.00100.07
                    ALA F 493
       12123
ATOM
               CA
                                    105.661 101.913
                                                        37.562
37.933
                                                                 1.00100.07
                                                                                    F
                                    106.925 102.683
105.408 100.812
MOTA
       12124
               CB
                    ALA F 493
                                                                  1.00100.07
                    ALA F 493
MOTA
       12125
                                                        38.583
                                                                  1.00100.07
ATOM
       12126
               0
                    ALA F 493
                                    105.175 99.660
                                                                  1.00100.07
                                                        38.215
ATOM
       12127
               N
                    ALA F 494
                                    105.481 101.167
                                                        39.864
                                                                  1.00 72.51
                    ALA F 494
MOTA
       12128
               CA
                                    105.235 100.213
                                                        40.935
                                                                  1.00 72.51
       12129
                    ALA F 494
                                    105.018 100.952
                                                        42.260 40.544
                                                                 1.00 52.38
1.00 72.51
MOTA
               CB
                    ALA F 494
                                    103.982
MOTA
       12130
                                              99.439
                    ALA F 494
ATOM
       12131
                                    103.901
                                              98.227
                                                        40.734
                                                                 1.00
                                                                       72.51
MOTA
       12132
                    ALA F 495
                                    103.020 100.162
                                                        39.972
                                                                  1.00100.07
MOTA
       12133
                    ALA F 495
                                    101.753
                                              99.588
                                                        39.526
                                                                  1.00100.07
                    ALA F 495
MOTA
       12134
               CB
                                    101.020 100.581
                                                        38.631
                                                                 1.00100.07
                    ALA F 495
                                                        38.787
38.769
MOTA
       12135
                                    101.969
                                              98,271
                                                                  1.00100.07
                                              97.404
ATOM
       12136
                    ALA F 495
                                    101.095
                                                                 1.00100.07
ATOM
       12137
                    ALA F 496
                                    103.128
                                               98.124
                                                        38.162
                                                                 1.00 57.26
ATOM
       12138
                    ALA F 496
                                    103.420
                                               96.888
                                                        37.465
                                                                 1.00 57.26
       12139
                    ALA F 496
                                    104.776
                                                        36.759
                                                                 1.00 29.06
MOTA
               CB
                                               96.976
ATOM
       12140
               C
                    ALA F 496
                                    103.449
                                               95.817
                                                        38.552
                                                                 1.00 57.26
                                                                                    F
       12141
               0
                    ALA F 496
                                               94.811
ATOM
                                    102.747
                                                        38.471
                                                                 1.00 57.26
       12142
                    ALA F 497
ATOM
                                    104.240
               Ν
                                              96.067
                                                        39.589
                                                                 1.00 61.78
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MOTA 12143 ALA F 497 104.390 95.130 40.698 1.00 61.78 CA 104.901 103.123 103.196 ATOM 12144 CB ALA F 497 95.870 41.949 1.00 61.71 1.00 61.78 ALA F 497 41.030 94.339 ATOM 12145 CALA F 497 ALA F 498 ALA F 498 ALA F 498 ALA F 498 0 93.159 41.371 1.00 61.78 ATOM 12146 12147 101.965 94.980 40.934 1.00 99.94 ATOM MOTA 12148 100.718 94.289 41.232 1.00 99.94 CA MOTA 12149 CB 99.528 95.205 40.978 1.00100.07 100.632 12150 12151 40.357 40.862 1.00 99.94 1.00 99.94 ATOM \mathcal{C} 93.046 91.936 93.237 ALA F 498 0 MOTA ALA F 499 ATOM 12152 100.780 39.046 1.00100.07 ATOM 12153 CA ALA F 499 100.740 92.124 38.100 1.00100.07 ALA F 499 ALA F 499 12154 100.733 92.655 36.651 1.00 24.68 MOTA CB MOTA 12155 101.964 91.233 38.340 1.00100.07 ALA F 499 ALA F 500 ATOM 12156 O 101.839 90.017 38.524 1.00100.07 103.141 104.408 105.574 38.363 38.571 ATOM 12157 N 91.859 1.00 82.45 ALA F 500 91.158 1.00 82.45 12158 CA ATOM MOTA 12159 CB ALA F 500 92.167 38.544 1.00 19.29 ATOM 12160 ALA F 500 104.445 90.339 39.865 1.00 82.45 ALA F 500 ALA F 501 ATOM 12161 104.820 89.168 39.852 1.00 82.45 90.959 40.977 1.00 82.14 ATOM 12162 N 104.061 104.054 ALA F 501 90.284 42.273 1.00 82.14 ATOM 12163 CA 103.426 103.280 12164 CB ALA F 501 91.181 43.321 1.00 18.50 ATOM MOTA 12165 ALA F 501 88.975 42.180 1.00 82.14 ALA F 501 ALA F 502 MOTA 12166 103.835 87.891 42.368 1.00 82.14 MOTA 12167 N 101.988 89.087 41.896 1.00 91.70 ALA F 502 1.00 91.70 101.144 99.784 41.762 41.206 MOTA 12168 CA 87.913 ALA F 502 12169 CB 88.312 1,00100.07 АТОМ 1.00 91.70 1.00 91.70 ALA F 502 101.858 40.797 MOTA 12170 86.986 C 12171 ALA F 502 101.969 85.782 41.025 ATOM 0 MOTA 12172 ALA F 503 102.355 87.571 39.716 1.00 98.19 N 12173 ALA F 503 103.064 86.805 38.711 1.00 98.19 MOTA ALA F 503 MOTA 12174 CB 103.558 87.726 37.604 1.00 14.32 12175 ALA F 503 1.00 98.19 MOTA C 104.230 86.080 39.369 104.156 105.295 ALA F 503 1.00 98.19 12176 0 84.871 39.611 MOTA 12177 ALA F 504 39.673 1.00100.07 ATOM N 86.824 ATOM 12178 CA ALA F 504 106.486 86.256 40.304 1.00100.07 12179 ALA F 504 107.430 87.401 40.829 1.00 5.07 MOTA CB MOTA 12180 ALA F 504 106.070 85.307 84.473 41.438 1.00100.07 ALA F 504 O 106.858 104.816 1.00100.07 MOTA 12181 41.894 12182 ALA F 505 85,430 41.868 1.00 98.28 MOTA N 1.00 98.28 ATOM 12183 CA ALA F 505 104.276 84.589 42.924 ALA F 505 MOTA 12184 CB 103.045 85.238 43.518 1.00 32.21 ATOM 12185 С ALA F 505 103.926 83.220 42.354 1.00 98.28 ALA F 505 GLY F 506 ATOM 12186 0 104.463 103.028 82.201 42.794 41.372 1.00 98.28 1.00 64.41 12187 83.200 MOTA N MOTA 12188 CA **GLY F 506** 102,632 81.946 40.756 1.00 64.41 12189 GLY F 506 102.075 39.370 MOTA 82.191 1.00 64.41 ATOM 12190 GLY F 506 100.863 82.299 39.216 1.00 64.41 ALA F 507 ATOM 12191 N 102.952 102.537 82,280 38.366 1.00100.07 1.00100.07 82.530 36.975 ALA F 507 MOTA 12192 CA 12193 ALA F 507 102.296 36.769 84.033 1.00100.07 ATOM CB ALA F 507 103.522 82.019 35.907 1.00100.07 ATOM 12194 12195 ALA F 507 103.974 80.875 35.966 1.00100.07 MOTA ALA F 508 1.00 78.66 1.00 78.66 103.820 104.733 34.935 33.805 ATOM 12196 N 82.889 MOTA 12197 CA ALA F 508 82,643 12198 ALA F 508 104.817 33.471 8.77 ATOM СВ 81.156 1.00 12199 ALA F 508 104.190 83.400 32.595 1.00 78.66 ATOM ALA F 508 MOTA 12200 0 103.188 84.098 32.700 1.00 78.66 12201 12202 PRO F 509 104.867 106.278 83.303 82.889 31.441 31.292 MOTA N 1.00 37.13 1.00100.07 CD PRO F 509 ATOM PRO F 509 104.416 83.979 30.221 MOTA 12203 CA 1.00 37.13 PRO F 509 105.706 1.00100.07 MOTA 12204 CB 84.545 29.663 PRO F 509 12205 106.642 83.385 29.874 1.00100.07 ATOM PRO F 509 MOTA 12206 С 103.860 82.849 29.340 1.00 37.13 PRO F 509 MOTA 12207 0 104.193 82.729 28.153 1.00 37.13 1.00 99.79 GLU F 510 103.048 29.968 29.320 12208 81,996 ATOM N 12209 GLU F 510 102.416 80.848 1.00 99.79 ATOM CA 12210 GLU F 510 102.211 79.729 30.347 1.00 60.32 ATOM CB 79.265 12211 GLU F 510 103.496 31.021 1.00 60.32 MOTA CG 78.189 77.115 12212 12213 GLU F 510 GLU F 510 103.286 102.708 32.093 31.789 1.00 60.32 1.00 60.32 MOTA CD OE1 ATOM GLU F 510 103.719 78.416 33.248 MOTA 12214 OE2 1.00 60.32 12215 GLU F 510 101.070 81.266 28.729 1.00 99.79 ATOM 1.00 99.79 MOTA 12216 GLU F 510 100.292 80.439 28.256 100.807 28.769 ATOM 12217 Ν TRP F 511 82.564 1.00 37.61 TRP F 511 99.581 83.118 28.248 ATOM 12218 CA 1.00 37.61 98.986 TRP F 511 29.249 1.00 99.43 12219 CB 84.108 MOTA 99.942 29.700 ATOM 12220 CGTRP F 511 85.166 1.00 99.43 99.611 MOTA 12221 CD2 TRP F 511 86.427 30.293 1.00 99.43 CE2 TRP F 511 100.824 MOTA 12222 87.048 30.660 1.00 99.43 CE3 TRP F 511 98.407 87.090 30.555 1.00 99.43 ATOM 12223 ATOM 12224 CD1 TRP F 511 101.303 85.082 29.724 1.00 99.43 99.43 TRP F 511 1.00 MOTA 12225 NE1 101.842 86,206 30.300 100.869 1.00 CZ2 TRP F 511 31.279 12226 88.302 ATOM

3.0034	12227	003	mnn n	C11	00 454	00 220	21 172	1 00 00 40	
ATOM ATOM	12227 12228	CZ3 CH2	TRP F		98. 4 54 99.678	88.339 88.928	31.173 31.527	1.00 99.43	F
MOTA	12229	Cnz	TRP F		99.856	83.815	26.938	1.00 37.61	F F
ATOM	12230	ŏ	TRP F		99.749	85.024	26.845	1.00 37.61	F
ATOM	12231	N	MET F		100.246	83.044	25.936	1.00 34.52	F
ATOM	12232	CA	MET F		100.501	83.558	24.596	1.00 34.52	F
ATOM	12233	CB	MET F		101.934	84.073	24.470	1.00100.07	F
ATOM	12234	CG	MET F	512	102.083	85.472	25.067	1.00100.07	F
ATOM	12235	SD	MET F	512	103.768	86.097	25.387	1.00100.07	F
MOTA	12236	CE	MET F	512	104.123	85.297	26.972	1.00100.07	F
ATOM	12237	С	MET F	512	100.242	82.360	23.699	1.00 34.52	F
ATOM	12238	0	MET F	512	100.638	82.324	22.542	1.00 34.52	F
MOTA	12239	N	ALA F	513	99.536 99.099	81.399	24.300 23.737	1.00 99.70	F F
ATOM ATOM	12240 12241	CA CB	ALA F	513 513	97.557	80.114 80.056	23.722	1.00 99.70 1.00 47.92	F
MOTA	12242	C	ALA F	513	99.621	79.622	22.394	1.00 99.70	F
ATOM	12243	ō	ALA F	513	99.696	80.364	21.415	1.00 99.70	F
ATOM	12244	N	ALA F	514	99.953	78.333	22.377	1.00 55.02	F
ATOM	12245	CA	ALA F	514	100.442	77.631	21.197	1.00 55.02	F
MOTA	12246	CB	ALA F	514	101.959	77.489	21.244	1.00 57.22	F
ATOM	12247	C	ALA F	514	99.789	76.258	21.254	1.00 55.02	F
ATOM	12248	0	ALA F	514	100.477	75.237	21.237	1.00 55.02	F
MOTA	12249 12250	N	ALA F	515 515	98.459	76.255	21.349	1.00100.07	F F
ATOM ATOM	12251	CA CB	ALA F	515	97.653 98.305	75.035 74.023	21.426 22.378	1.00100.07	F
ATOM	12252	C	ALA F	515	96.233	75.354	21.908	1.00100.07	F
ATOM	12253	ō	ALA F	515	95.969	75.373	23.115	1.00100.07	F
ATOM	12254	N	ALA F	516	95.324	75.599	20.966	1.00 58.93	F
MOTA	12255	CA	ALA F	516	93.936	75.912	21.300	1.00 58.93	F
MOTA	12256	CB	ALA F	516	93.247	76.589	20.101	1.00 5.07	F
MOTA	12257	C	ALA F	516	93.171	74.652	21.729	1.00 58.93	F
ATOM	12258	0	ALA F	516	93.619	73.525	21.490	1.00 58.93	F
MOTA	12259	N CA	VAL F	517 517	92.014 91.231	74.841 73.709	22.361	1.00 44.96 1.00 44.96	F F
ATOM ATOM	12260 12261	CB	VAL F	517	91.518	73.456	22.834 24.331	1.00100.07	F
ATOM	12262	CG1	VAL F	517	91.438	71.971	24.626	1.00100.07	F
MOTA	12263	CG2		517	92.875	74.024	24.716	1.00100.07	F
MOTA	12264	С	VAL F	517	89,697	73.777	22.667	1.00 44.96	F
ATOM	12265	0	VAL F	517	89.036	74.713	23.134	1.00 44.96	F
MOTA	12266	N	PRO F	518	89.118	72.797	21.959	1.00 66.62	F
ATOM	12267	CD	PRO F	518	89.811	72.091	20.868	1.00100.07	F
MOTA	12268	CA	PRO F	518	87.666	72.745	21.757	1.00 66.62	F
MOTA	12269	CB CG	PRO F	518 518	87.539 88.672	72.294 71.392	20.306	1.00100.07	F F
ATOM ATOM	12270 12271	C	PRO F	518	87.105	71.719	20.146 22.748	1.00100.07 1.00 66.62	F
ATOM	12272	õ	PRO F	518	87.635	70.611	22.859	1.00 66.62	F
MOTA	12273	N	VAL F	519	86.052	72.078	23.475	1.00 19.90	F
ATOM	12274	CA	VAL F	519	85.485	71.153	24.460	1.00 19.90	F
ATOM	12275	CB	VAL F	519	84.279	71.779	25.175	1.00 65.64	F
MOTA	12276		VAL F	519	83.784	70.851	26.269	1.00 65.64	F
ATOM	12277	CG2	VAL F	519	84.660	73.104	25.744	1.00 65.64	F
MOTA MOTA	12278 12279	C 0	VAL F	519 519	85.028 84.744	69.842 69.812	23.823 22.617	1.00 19.90 1.00 19.90	F F
ATOM	12280	N	LEU F	520	84.961	68.772	24.624	1.00 49.79	F
ATOM	12281	CA	LEU F	520	84.498	67.481	24.118	1.00 49.79	F
ATOM	12282	CB	LEU F	520	84.374	66.454	25.243	1.00100.07	F
MOTA	12283	CG	LEU F	520	84.087	65.035	24.730	1.00100.07	F
MOTA	12284		LEU F	520	85.405	64.439	24.244	1.00100.07	F
ATOM	12285		LEU F	520	83.461	64.145	25.811	1.00100.07	F
MOTA MOTA	12286 12287	C O	LEU F		83.116 82.388	67.803 68.561	23.575	1.00 49.79 1.00 49.79	- F
ATOM	12288	N	PRO F	521	82.723	67.229	24.195 22.428	1.00 35.08	F
MOTA	12289	CD	PRO F	521	83.381	66.123	21.719	1.00 93.02	F
ATOM	12290	CA	PRO F	521	81.408	67.507	21.836	1.00 35.08	F
ATOM	12291	CB	PRO F	521	81.305	66.466	20.719	1.00 93.02	F
MOTA	12292	CG	PRO F	521	82,201	65.370	21.180	1.00 93.02	F
ATOM	12293	C	PRO F	521	80.137	67.566	22.710	1.00 35.08	F
ATOM	12294	0	PRO F	521	79.319	68.480	22.543	1.00 35.08	F
MOTA MOTA	12295 12296	CD N	PRO F	522 522	79.950 80.867	66.613 65.541	23.653 24.089	1.00 99.94 1.00100.07	F F
ATOM	12297	CA	PRO F	522	78.747	66.635	24.503	1.00 99.94	F
ATOM	12298	СВ	PRO F	522	78.891	65.364	25.340	1.00100.07	F
MOTA	12299	CG	PRO F	522	80.370	65.234	25.496	1.00100.07	F
MOTA	12300	С	PRO F	522	78.613	67.892	25.364	1.00 99.94	F
MOTA	12301	0	PRO F	522	78.099	67.846	26.482	1.00 99.94	F
ATOM	12302	N	ASP F	523	79.079	69.009	24.820	1.00 78.45	F
MOTA	12303	CA	ASP F	523	79.038	70.299	25.485	1.00 78.45	F
ATOM	12304 12305	CB	ASP F	523	80.421	70.661	26.004	1.00 97.06	F
MOTA MOTA	12305	CG OD1	ASP F	523 523	80.428 79.881	71.963 72.948	26.745 26.210	1.00 97.06 1.00 97.06	F F
ATOM	12307		ASP F	523	80.983	72.940	27.860	1.00 97.06	F
ATOM	12308	C	ASP F		78.577	71.347	24.475	1.00 78.45	F
MOTA	12309	0	ASP F		77.781	72.230	24.852	1.00 78.45	F
MOTA	12310	OT	ASP F		79.029	71.280	23.315	1.00 97.06	F

ALA G 535 MOTA 12311 CB 72.510 75.095 18.383 1.00100.07 ATOM 12312 ALA G 535 ALA G 535 73.810 75.656 20.434 1.00100.07 74.091 ATOM 12313 0 76.725 20.985 1.00100.07 ALA G 535 71.558 72.415 12314 1.00100.07 ATOM 76.614 20.076 12315 ALA G 535 75.409 19.874 1.00100.07 ATOM CA ALA G 536 74.672 74.651 ATOM 20.322 1.00100.07 1.00100.07 ATOM 12317 CA ALA G 536 76.054 74.798 20.757 12318 12319 ALA G 536 76.562 76.746 73.506 75.050 21.400 19.422 1.00 75.75 1.00100.07 MOTA CB ALA G 536 ATOM 75.655 ATOM 12320 ALA G 536 77.817 19.355 1.00100.07 1.00 73.01 1.00 73.01 ATOM 12321 THR G 537 76.067 74.595 18.367 12322 THR G 537 74.706 16.977 MOTA 76.497 ATOM 12323 CB THR G 537 75.266 74.720 16.022 1.00100.07 74.459 75.712 77.328 73.557 74.724 75.954 12324 THR G 537 ATOM OG1 16.248 1.00100.07 ATOM 12325 THR G 537 CG2 14.573 16.708 1.00100.07 1.00 73.01 1.00 73.01 MOTA 12326 THR G 537 ATOM 12327 THR G 537 78.401 75.874 16.101 ATOM 12328 N SER G 538 76.828 77.100 17.167 1.00 70.80 77.498 76.739 77.174 MOTA 12329 SER G 538 SER G 538 78.388 16.968 1.00 70.80 12330 79.496 80.789 17.715 17.315 70.37 70.37 ATOM CB 1.00 12331 SER G 538 OG 1.00 ATOM ATOM 12332 SER G 538 78.977 78.415 17.375 1.00 70.80 ATOM 12333 SER G 538 79.708 79.334 17.016 1.00 70.80 77.412 77.361 MOTA 12334 12335 N ASP G 539 ASP G 539 79.421 18.119 1.00 80.36 ATOM CA 80.812 18.554 1.00 80.36 G ASP G 539 ATOM 12336 CB 80.876 76.982 77.005 20.042 1.00 79.91 79.91 82,293 ATOM 12337 CG ASP G 539 20.600 1.00 G 12338 OD1 ASP G 539 82.833 78.102 MOTA 20.864 1.00 79.91 MOTA 12339 OD2 ASP G 539 82.869 75.916 20.770 1.00 79.91 ATOM 12340 ASP G 539 81.600 76.349 17.725 1.00 80.36 82.824 80.886 81.496 80.603 ASP G 539 MOTA 12341 0 76.292 17.801 1.00 80.36 LEU G 540 12342 MOTA 75.556 N 16.932 1.00 47.23 G MOTA 12343 CA **LEU G 540** 74.526 16.095 1.00 47.23 1.00 72.45 LEU G 540 73.286 ATOM 12344 CB 16.041 ATOM 12345 LEU G 540 80.626 72.347 17.243 1.00 72.45 MOTA 12346 CD1 LEU G 540 79.481 71.350 17.146 1.00 72.45 LEU G 540 ATOM 12347 CD2 81.972 81.717 71.637 17.295 1.00 72.45 12348 LEU G 540 ATOM C 75.024 14.686 1.00 47.23 12349 LEU G 540 82.824 ATOM 75.432 14.326 1.00 47.23 12350 ASN G 541 80.654 74.987 MOTA 13.887 1.00 80.65 ASN G 541 ASN G 541 MOTA 12351 80.752 75.438 12.514 1.00 80.65 79.379 79.474 75.551 75.926 12352 ATOM CB 11.860 1.00100.07 1.00100.07 ATOM 12353 ASN G 541 CG 10.385 ASN G 541 80.015 9.572 MOTA 12354 OD1 75.166 1.00100.07 12355 ND2 ASN G 541 78.960 77.106 10.036 1.00100.07 MOTA 76.800 ATOM 12356 ASN G 541 81.403 12.549 1.00 80.65 77.397 ATOM 12357 O ASN G 541 81.704 11.513 1.00 80.65 81.608 82.237 ASP G 542 77.292 12358 13.762 13.960 1.00 99.61 1.00 99.61 MOTA N ASP G 542 78.576 ATOM 12359 ATOM 12360 CB ASP G 542 81.293 79.527 14.705 1.00100.07 79.946 79.930 ASP G 542 ASP G 542 ATOM 12361 CG 79.684 14.013 1.00100.07 79.892 12.780 14.704 1.00100.07 MOTA 12362 OD1 ASP G 542 78.906 12363 79.613 ATOM OD2 ASP G 542 83.500 78.396 14.777 ATOM 12364 1.00 99.61 ATOM 12365 ASP G 542 83.602 77.477 1.00 99.61 15.588 84.465 85.714 85.450 MOTA 12366 12367 N LEU G 543 LEU G 543 79.272 79.285 14.531 1.00 96.41 15.271 1.00 96.41 ATOM CA G ATOM 12368 CB LEU G 543 79.884 16.659 1.00 99.66 MOTA 12369 LEU G 543 84.549 81.128 16,673 1.00 99.66 MOTA 12370 CD1 LEU G 543 84.315 81.601 18.092 1.00 99.66 ATOM 12371 CD2 LEU G 543 85.191 82.222 15.852 1.00 99.66 12372 LEU G 543 86.411 87.488 77.935 ATOM C 15.411 1.00 96.41 G 77.850 ATOM 12373 0 LEU G 543 1.00 96.41 1.00 98.18 15.988 14.910 MOTA 12374 TYR G 544 85.800 76.875 G ATOM 12375 TYR G 544 86.427 75.567 14.989 1.00 98.18 15.945 17.394 MOTA 12376 CB TYR G 544 85.666 74.657 1.00 70.00 86.036 85.287 85.628 74.883 ATOM 12377 CG TYR G 544 1.00 70.00 G 18.424 19.759 MOTA 12378 CD1 TYR G 544 74.314 1.00 70.00 TYR G 544 ATOM 12379 CE1 74.511 1.00 G 17.739 19.072 MOTA 12380 CD2 TYR G 544 87.140 75.657 1.00 70.00 87.491 86.733 87.100 12381 12382 CE2 TYR G 544 TYR G 544 75.858 75.281 MOTA 1.00 70.00 70.00 1.00 ATOM 20.075 G 21.392 13.579 MOTA 12383 ОН TYR G 544 75.443 1.00 70.00 12384 TYR G 544 75.036 1.00 98.18 ATOM 86.420 MOTA 12385 O TYR G 544 87.085 74.055 13.246 1.00 98.18 85.639 ATOM 12386 N ARG G 545 75.712 12.752 1.00 90.26 ARG G 545 12387 85.563 75.403 1.00 90.26 ATOM CA 11.344 G ARG G 545 84.124 12388 75.552 75.377 ATOM CB 10.841 83.941 9.335 1.00100.07 MOTA CG ARG G 545 G 12390 ARG G 545 82.605 75.953 MOTA CD 8.881 1.00100.07 G ARG G 545 MOTA 12391 82.452 75.947 NE 7.427 1.00100.07 ATOM 12392 CZARG G 545 81.434 76.506 6.776 1.00100.07 G NH1 ARG G 545 12393 MOTA 80.469 77.122 7.447 1.00100.07 G NH2 ARG G 545 ATOM 12394 81.377 76.448 5.451 1.00100.07 G

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ATOM
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                    LYS G
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LYS G 556
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LEU G 557
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1.00 92.79
1.00 92.79
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-2.355
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GLN G 560
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ATOM
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81.598
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1.00 70.43
1.00 66.56
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0.523
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ATOM
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ATOM
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ATOM
                OE1 GLU G 564
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                    GLU G 564
GLU G 564
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                    ILE G 565
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ATOM
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CD ILE G 565
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                    ILE G 565
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ALA G 577
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VAL G 578
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ASP G 579
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ATOM
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OD1 ASP G 624
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PRO G 645
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OE2 GLU G 651
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ATOM ATOM	13324 13325	CE NZ	LYS G 66 LYS G 66			47.656 49.106	1.00100.07	G G
ATOM	13326	C	LYS G 66			45.164	1.00 60.73	G
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MOTA	13343	0	PHE G 66			40.256	1.00 33.07	G
MOTA MOTA	13344 13345	N CA	ALA G 66			38.917 37.695	1.00 84.06 1.00 84.06	G G
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MOTA	13348	O N	ALA G 66' PRO G 66'			38.542	1.00 84.06	G
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ATOM	13351	CA	PRO G 66			37.102	1.00100.07	Ğ
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ATOM ATOM	13353	CG	PRO G 668			35.146	1.00100.07	G
ATOM	13354 13355	C O	PRO G 668			36.702 37.359	1.00100.07	G G
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MOTA	13360		ASN G 669			33.501	1.00100.07	G
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MOTA MOTA	13363 13364	O N	ASN G 669 VAL G 676			35.287 35.977	1.00100.04 1.00 69.38	G G
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ATOM	13366	CB	VAL G 670			36.873	1.00 35.05	G
MOTA MOTA	13367 13368	CG1 CG2	VAL G 670			36.891 38.276	1.00 35.05 1.00 35.05	G G
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ATOM	13370	Ō	VAL G 670	55.22		34.851	1.00 69.38	G
ATOM	13371	N	LYS G 67:			33.922	1.00 52.67	G
ATOM ATOM	13372 13373	CA CB	LYS G 671			32.587 31.603	1.00 52.67 1.00100.07	G G
ATOM	13374	CG	LYS G 67			32.052	1.00100.07	G
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ATOM ATOM	13376 13377	CE NZ	LYS G 573			31.395 30.286	1.00100.07	G G
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ATOM	13379	0	LYS G 67	54.38	3 49.636	31.348	1.00 52.67	G
MOTA	13380	N	ALA G 672 ALA G 672			32.887	1.00 73.77	G
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ATOM	13383	C	ALA G 672	51.90	4 49.062	33.305	1.00 73.77	Ğ
MOTA	13384	0	ALA G 672			32.871	1.00 73.77	G
ATOM ATOM	13385 13386	N CA	ALA G 673			34.356 35.084	1.00 65.57 1.00 65.57	G G
MOTA	13387	CB	ALA G 673			36.161	1.00100.07	G
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ATOM	13392	CB	ALA G 674	53.63		32.258	1.00 43.29	G
MOTA	13393	С	ALA G 674	51.209	9 53.640	31.933	1.00 99.66	G
ATOM	13394 13395	И О	ALA G 674			31.449	1.00 99.66	G
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MOTA MOTA	13399 13400	O N	ALA G 675 MET G 676			30.888 32.358	1.00 67.37 1.00 87.94	G G
ATOM	13401	CA	MET G 676			33.081	1.00 87.94	G
ATOM	13402	CB	MET G 676			34.313	1.00 58.41	Ğ

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VAL G 687
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                                                           44.951
                                                                          13.47
                CG
ATOM
                     PRO G
                           706
                                       57.929
                                                           45.669
ATOM
       13651
                                                 86.410
                                                                    1.00
                                                                          36.82
       13652
                0
                    PRO G 706
                                       57.302
                                                 86.696
ATOM
                                                           46.683
                                                                    1.00
                                                                          36.82
       13653
               N
                    THR G
                           707
                                       58.911
                                                 85.520
                                                                          41.13
ATOM
                                                           45.660
                                                                    1.00
                    THR G 707
ATOM
       13654
                CA
                                       59.288
                                                 84.870
                                                           46.897
                                                                    1.00
                                                                          41.13
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ATOM	13655	CB	THR G	707	59.990	83.528	46.652	1.00 42.58	G
ATOM	13656	OG1			59.029	82.579	46.188	1.00 42.58	G
MOTA	13657	CG2			60.601	83.001	47.925	1.00 42.58	G
MOTA	13658	С	THR G	707	60.203	85.783	47.667	1.00 41.13	G
ATOM	13659	0	THR G	707	61.409	85.781	47.460	1.00 41.13	G
ATOM	13660	N	LEU G	708	59.615	86.598	48.528	1.00 13.85	Ğ
ATOM	13661	CA	LEU G	708	60.391	87.493	49.351	1.00 13.85	G
ATOM	13662	CB	LEU G	708	59.617	88.782	49.559	1.00 53.00	G
ATOM	13663	CG	LEU G	708	59.283	89,477	48.244	1.00 53.00	G
MOTA	13664	CD1	LEU G	708	58.119	90.445	48.412	1.00 53.00	G
ATOM	13665				60.539	90.181	47.751	1.00 53.00	Ğ
ATOM	13666	C	LEU G	708	60.474	86.702	50.642	1.00 13.85	G
ATOM	13667	0	LEU G	708	59.524	86.023	50.983	1.00 13.85	G
ATOM	13668	N	HIS G	709	61.599	86.753	51.341	1.00 34.04	G
ATOM	13669	CA	HIS G	709	61.773	86.024	52.602	1.00 34.04	G
ATOM	13670	CB	HIS G	709	61.260	86.887	53.769	1.00 21.97	Ğ
ATOM	13671	CG	HIS G	709	59.773	86.850	53.971	1.00 21.97	G
ATOM	13672	CD2	HIS G	709	59.035	86.635	55.087	1.00 21.97	G
ATOM	13673	ND1	HIS G	709	58.870	87.119	52.965	1.00 21.97	G
ATOM	13674	CE1	HIS G	709	57.641	87.072	53.449	1.00 21.97	G
ATOM	13675		HIS G	709	57.714	86.781	54.735	1.00 21.97	Ğ
					61.200		52.724		Ğ
ATOM	13676	C	HIS G	709		84.587			
ATOM	13677	0	HIS G	709	60.108	84.277	52.255	1.00 34.04	G
ATOM	13678	N	ALA G	710	61.972	83.725	53.378	1.00 37.34	G
ATOM	13679	CA	ALA G	710	61.637	82.321	53.617	1.00 37.34	G
MOTA	13680	CB	ALA G	710	61.887	81.998	55.087	1.00 39.67	G
	13681	c	ALA G	710	60.267	81.776	53.225	1.00 37.34	Ğ
ATOM									
ATOM	13682	0	ALA G	710	60.165	80.749	52.556	1.00 37.34	G
ATOM	13683	N	LEU G	711	59.213	82.459	53.644	1.00 37.53	G
ATOM	13684	CA	LEU G	711	57.845	82.000	53.406	1.00 37.53	G
ATOM	13685	CB	LEU G	711	56,930	82.763	54.368	1.00 68.00	G
	13686	CG	LEU G	711	57.603	82.864	55.753	1.00 68.00	Ğ
ATOM									
MOTA	13687		LEU G	711	56.779	83.729	56.671	1.00 68.00	G
MOTA	13688	CD2	LEU G	711	57.801	81.484	56.361	1.00 68.00	G
ATOM	13689	C	LEU G	711	57.247	81.966	51.984	1.00 37.53	G
ATOM	13690	0	LEU G	711	56.051	81.728	51.803	1.00 37.53	G
ATOM	13691	N	GLY G	712	58.065	82.192	50.970	1.00 55.55	G
ATOM				712	57.543	82.115		1.00 55.55	Ğ
	13692	CA	GLY G				49.620		
ATOM	13693	С	GLY G	712	57.451	80.630	49.296	1.00 55.55	G
ATOM	13694	0	GLY G	712	56.982	80.221	48.219	1.00 55.55	G
MOTA	13695	N	ILE G	713	57.925	79.811	50.235	1.00 19.96	G
ATOM	13696	CA	ILE G	713	57.883	78.372	50.050	1.00 19.96	G
ATOM	13697	CB	ILE G	713	59.309	77.764	49.902	1.00 24.03	Ğ
									Ğ
ATOM	13698	CG2	ILE G	713	59.247	76.251	49.930	1.00 24.03	
MOTA	13699	CG1	ILE G	713	59.905	78.125	48.542	1.00 24.03	G
ATOM	13700	CD	ILE G	713	60.331	79.531	48.420	1.00 24.03	G
ATOM	13701	С	ILE G	713	57.107	77.672	51.166	1.00 19.96	G
MOTA	13702	0	ILE G	713	55.919	77.423	51.004	1.00 19.96	G
ATOM	13703	N	ALA G		57.740	77.364	52.291	1.00 25.28	Ğ
ATOM	13704	CA	ALA G	714	57.035	76.662	53.376	1.00 25.28	G
ATOM	13705	CB	ALA G	714	56.110	77.619	54.090	1.00 16.21	G
ATOM	13706	С	ALA G	714	56.257	75.409	52.884	1.00 25.28	G
ATOM	13707	0	ALA G	714	55.477	75.464	51.920	1.00 25.28	G
MOTA	13708	N	ALA G	715	56.449	74.282	53.569	1.00 15.03	G
MOTA	13709	CA	ALA G	715	55.838	73.023	53.135	1.00 15.03	G
ATOM	13710	CB	ALA G	715	56.881	71.902	53.217	1.00 20.14	Ğ
				715					
ATOM	13711	C	ALA G		54.547	72.552	53.777	1.00 15.03	G
ATOM	13712	0	ALA G	715	54.178	72.982	54.861	1.00 15.03	G
ATOM	13713	N	PHE G	716	53.901	71.612	53.093	1.00 36.91	G
MOTA	13714	CA	PHE G	716	52.633	71.038	53.521	1.00 36.91	ͺ G
MOTA	13715	CB	PHE G	716	51.507	71.756	52.797	1.00 16.08	G
ATOM	13716	CG	PHE G		51.349	73.198	53.180	1.00 16.08	G
ATOM	13717		PHE G	716	51.264	74.179	52.200	1.00 16.08	Ğ
	13718						54.513		Ğ
ATOM		CD2		716	51.178	73.567		1.00 16.08	
ATOM	13719	CE1		716	51.001	75.494	52.541	1.00 16.08	G
ATOM	13720	CE2	PHE G	716	50.913	74.884	54.862	1.00 16.08	G
ATOM	13721	CZ	PHE G	716	50.822	75.846	53.878	1.00 16.08	G
MOTA	13722	С	PHE G	716	52.492	69.534	53.242	1.00 36.91	G
MOTA	13723	õ	PHE G	716	53.312	68.930	52.554	1.00 36.91	Ğ
ATOM	13724	N		717	51.434	68.938	53.781	1.00 43.02	G
ATOM	13725	CA	GLN G		51.159	67.529	53.543	1.00 43.02	G
ATOM	13726	CB	GLN G	717	50.658	66.868	54.810	1.00 62.12	G
ATOM	13727	CG	GLN G	717	51.700	66.046	55.496	1.00 62.12	G
ATOM	13728	CD		717	51.127	65.260	56.646	1.00 62.12	Ğ
					50.101	64.590	56.500	1.00 62.12	
ATOM	13729	OE1							G
ATOM	13730	NE2	GLN G	717	51.785	65.327	57.800	1.00 62.12	G
MOTA	13731	С	GLN G	717	50.063	67.482	52.489	1.00 43.02	G
ATOM	13732	0	GLN G	717	48.958	67.942	52.739	1.00 43.02	G
ATOM	13733	N		718	50.348	66.937	51.293	1.00 40.24	G
ATOM	13734	CD	PRO G	718	51.639	66.529	50.716	1.00 66.21	Ğ
		CA	PRO G	718	49.297	66.895	50.270	1.00 40.24	Ğ
ATOM	13735								
ATOM	13736	CB	PRO G	718	49.978	66.213	49.092	1.00 66.21	G
MOTA	13737	CG	PRO G	718	51.370	66.680	49.216	1.00 66.21	G
ATOM	13738	С	PRO G	718	48.074	66.147	50.728	1.00 40.24	G

ATOM ATOM	13739 13740	O N	PRO G		48.171 46.919	65.153 66.642	51.433 50.320	1.00 40.24 1.00 18.41	G G
ATOM ATOM	13741 13742	CA CB	VAL G	719	45.669 45.034	66.019 66.762	50.677	1.00 18.41 1.00 5.76	G G
ATOM	13743	CG1	VAL G	719	43.514	66.781	51.638	1.00 5.76	G
ATOM ATOM	13744 13745	CG2 C	VAL G		45.416 44.723	66.081 65.994	53.096 49.499	1.00 5.76 1.00 18.41	G G
ATOM ATOM	13746 13747	O N	VAL G		44.280 44.396	67.042 64.794	49.026 49.038	1.00 18.41 1.00 24.94	G G
MOTA	13748	CA	LEU G	720	43.524	64.659	47.889	1.00 24.94	G
ATOM ATOM	13749 13750	CB	LEU G		43.204 44.252	63.191 62.527	47.676 46.770	1.00 29.73 1.00 29.73	G G
ATOM ATOM	13751 13752	CD1	LEU G		45.679 44.075	62.911 61.048	47.124 46.887	1.00 29.73 1.00 29.73	G G
ATOM	13753	С	LEU G	720	42.274	65.517	47.979	1.00 24.94	G
ATOM ATOM	13754 13755	N O	LEU G VAL G	721	41.368 42.279	65.268 66.557	48.767 47.158	1.00 24.94 1.00 18.32	G G
ATOM ATOM	13756 13757	CA CB	VAL G		41.215 41.810	67.542 68.968	47.073 47.145	1.00 18.32 1.00 80.67	G G
MOTA	13758	CG1	VAL G	721	40.800	70.004	46.649	1.00 80.67	G
ATOM ATOM	13759 13760	CG2 C	VAL G	721	42.255 40.505	69.267 67.357	48.574 45.739	1.00 80.67 1.00 18.32	G G
MOTA MOTA	13761 13762	N	VAL G		41.067 39.288	66.781 67.876	44.820 45.629	1.00 18.32 1.00 45.32	G G
ATOM	13763	CA	GLU G	722	38.489	67.734	44.426	1.00 45.32	G
ATOM ATOM	13764 13765	CB CG	GLU G		37.206 36.123	68.544 68.015	44.550 43.653	1.00 44.29 1.00 44.29	G G
ATOM ATOM	13766 13767	CD OE1	GLU G		36.437 36.622	66.609 65.704	43.166 44.023	1.00 44.29 1.00 44.29	G G
MOTA	13768	OE2	GLU G	722	36.507	66.423	41.925	1.00 44.29	G
ATOM ATOM	13769 13770	С 0	GLU G		39.136 40.215	68.012 67.496	43.077 42.795	1.00 45.32 1.00 45.32	G G
MOTA MOTA	13771 13772	N CA	GLY G		38.491 39.013	68.829 69.064	42.243 40.899	1.00 34.23 1.00 34.23	G G
ATOM	13773	С	GLY G	723	39.745	70.316	40.433	1.00 34.23	G
MOTA MOTA	13774 13775	N O	GLY G	724	39.124 41.071	71.321 70.223	40.077 40.375	1.00 34.23 1.00 56.41	G G
ATOM ATOM	13776 13777	CA CB	GLN G GLN G		41.933 41.507	71.320 71.809	39.938 38.546	1.00 56.41 1.00 59.60	G G
MOTA	13778	CG	GLN G	724	41.979	70.867	37.425	1.00 59.60	G
ATOM ATOM	13779 13780	CD OE1	GLN G		41.227 41.635	71.027 70.488	36.111 35.088	1.00 59.60 1.00 59.60	G G
ATOM ATOM	13781 13782	NE2	GLN G		40.117 41.984	71.753 72.458	36.140 40.944	1.00 59.60 1.00 56.41	G G
ATOM	13783	0	GLN G	724	41.268	72.440	41.941	1.00 56.41	G
MOTA MOTA	13784 13785	N CA	SER G SER G	725	42.845 43.041	73.435 74.579	40.684 41.580	1.00 20.83 1.00 20.83	G G
ATOM ATOM	13786 13787	CB OG	SER G		41.783 40.720	75.448 74.781	41.637 42.274	1.00 24.46 1.00 24.46	G G
ATOM ATOM	13788 13789	C O	SER G	725	43.439 42.712	74.083 73.341	42.979 43.624	1.00 20.83 1.00 20.83	G G
ATOM	13790	N	ILE G	726	44.620	74.489	43.427	1.00 28.03	G
MOTA MOTA	13791 13792	CA CB	ILE G		45.144 46.613	74.063 74.423	44.718 44.891	1.00 28.03 1.00 7.17	G G
ATOM ATOM	13793 13794	CG2 CG1	ILE G	726 726	47.140 47.415	73.705 74.071	46.094 43.636	1.00 7.17 1.00 7.17	G G
ATOM	13795	CD	ILE G	726	48.900	74.259	43.804	1.00 7.17	G
ATOM ATOM	13796 13797	С 0	ILE G		44.433 44.211	74.717 75.929	45.871 45.865	1.00 28.03 1.00 28.03	G G
ATOM ATOM	13798 13799	N CA	GLN G		44.117 43.425	73.913 74.398	46.879 48.060	1.00 22.73 1.00 22.73	- G G
ATOM	13800	CB	GLN G	727 727	42.509	73.310	48.592 47.843	1.00 21.00	G
MOTA MOTA	13801 13802	CG CD	GLN G	727	41.204 40.183	73.203 72.386	48.609	1.00 21.00 1.00 21.00	G G
ATOM ATOM	13803 13804	OE1 NE2	GLN G GLN G	727 727	38.996 40.636	72.355 71.714	48.258 49.670	1.00 21.00 1.00 21.00	G G
ATOM ATOM	13805 13806	C 0	GLN G	727 727	44.409 45.249	74.809 74.014	49.139 49.536	1.00 22.73 1.00 22.73	G G
MOTA	13807	N	LEU G	728	44.298	76.041	49.626	1.00 60.72	G
ATOM ATOM	13808 13809	CA CB	LEU G	728 728	45.216 45.834	76.533 77.845	50.653 50.207	1.00 60.72 1.00 5.43	G G
MOTA MOTA	13810 13811	CG CD1	LEU G LEU G	728 728	47.128 48.307	78.382 77.922	50.791 49.982	1.00 5.43 1.00 5.43	G G
ATOM	13812	CD2	LEU G	728	47.062	79.868	50.705	1.00 5.43	G
ATOM ATOM	13813 13814	C O		728 728	44.501 43.278	76.752 76.611	51.972 52.050	1.00 60.72 1.00 60.72	G G
ATOM ATOM	13815 13816	N CA		729 729	45.270 44.740	77.132 77.352	52.993 54.346	1.00 39.07 1.00 39.07	G G
ATOM	13817	CB	HIS G	729	45.521	76.462	55.321	1.00 20.64	G
MOTA MOTA	13818 13819			729 729	45.291 46.134	76.786 76.772	56.759 57.814	1.00 20.64 1.00 20.64	G G
MOTA MOTA	13820 13821		HIS G	729 729	44.064 44.162	77.171 77.381	57.254 58.554	1.00 20.64 1.00 20.64	G G
ATOM	13822		HIS G		45.409	77.144	58.919	1.00 20.64	Ğ

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78.826
79.420
MOTA
        13823
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                                                              54.792
                                                                        1.00 39.07
                      HIS G 729
PRO G 730
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ATOM
        13824
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        13825
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ATOM
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                                          43.581
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ATOM
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ATOM
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                           G 731
                                                    80.570
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LEU G 731
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27.73
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82.869
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MOTA
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CYS G 733
CYS G 733
CYS G 733
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GLU G 734
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GLU G 734
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                                                                        1.00
                                                                              52.69
        14156
                     SER G 774
                                         60.253
                                                    90.550
ATOM
                CB
                                                              62.852
                                                                              39.48
                                                                                             G
       14157
                     SER G 774
                                         61.139
ATOM
                OG
                                                    91.185
                                                              61.940
                                                                        1.00
                                                                              39.48
                                                                                             G
                     SER G 774
                                         60.426
                                                                        1.00
ATOM
       14158
                                                    89.423
                                                              65.068
                                                                               52.69
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ATOM	14159	0	SER G	774	59.937	90.391	65.643	1.00 52.69	-
ATOM	14160	N	GLY G		60.437	88.178	65.549	1.00 44.33	G G
MOTA	14161	CA	GLY G		59.961	87.832	66.873	1.00 44.33	G
ATOM ATOM	14162 14163	C 0	GLY G		58.526 58.315	87.526 86.602	67.238 68.023	1.00 44.33	G G
MOTA	14164	N	GLU G		57.554	88.276	66.710	1.00 27.43	Ğ
MOTA	14165	CA	GLU G		56.147	88.065	67.082	1.00 27.43	G
ATOM ATOM	14166 14167	CB CG	GLU G		55.523 55.346	89.395 90.388	67.498 66.386	1.00 93.34 1.00 93.34	G G
ATOM	14168	CD	GLU G		54.658	91.635	66.877	1.00 93.34	G
ATOM	14169	OE1			53.521	91.526	67.376	1.00 93.34	G
MOTA MOTA	14170 14171	OE2	GLU G		55.255 55.239	92.723 87.373	66.777 66.065	1.00 93.34 1.00 27.43	G G
ATOM	14172	ŏ	GLU G		55.429	87.505	64.881	1.00 27.43	G
ATOM	14173	N	PRO G	777	54.203	86.659	66.536	1.00 27.40	G
ATOM ATOM	14174 14175	CD CA	PRO G PRO G	777 777	53.578 53.277	86.842 85.943	67.855	1.00 16.98	G G
ATOM	14176	CB	PRO G		51.962	85.949	65.658 66.450	1.00 27.40 1.00 16.98	G
ATOM	14177	CG	PRO G	777	52.139	87.022	67.470	1.00 16.98	G
MOTA	14178 14179	C O	PRO G PRO G	777 777	53.088 52.856	86.456	64.240	1.00 27.40	G G
ATOM ATOM	14179	N	LEU G	778	53.205	87.634 85.555	64.032 63.267	1.00 27.40	G
MOTA	14181	CA	LEU G	778	52.998	85.886	61.863	1.00 23.68	G
ATOM ATOM	14182 14183	CB CG	LEU G	778 778	54.217 54.227	85.521 85.722	61.027	1.00 5.44 1.00 5.44	G G
MOTA	14184	CD1		778	52.972	86.414	59.508 59.067	1.00 5.44 1.00 5.44	G
ATOM	14185	CD2		778	55.450	86.545	59.083	1.00 5.44	G
ATOM ATOM	14186 14187	С 0	LEU G	778 778	51.817 51.045	85.017 85.367	61.480	1.00 23.68	G G
MOTA	14188	N	ALA G	779	51.673	83.880	60.601 62.163	1.00 23.68 1.00 27.77	G
MOTA	14189	CA	ALA G	779	50.549	82.972	61.921	1.00 27.77	G
ATOM	14190	CB	ALA G	779 779	50.931 49.364	81.548	62.305	1.00 41.16	G
MOTA MOTA	14191 14192	C C	ALA G	779	48.674	83.443 82.643	62.772 63.404	1.00 27.77 1.00 27.77	G G
ATOM	14193	N	LYS G	780	49.140	84.753	62.797	1.00 5.38	G
ATOM ATOM	14194 14195	CA CB	LYS G	780 780	48.051 48.168	85.290 86.816	63.594 63.816	1.00 5.38 1.00 69.97	G G
ATOM	14196	CG	LYS G	780	49.285	87.553	63.080	1.00 69.97	G
ATOM	14197	CD	LYS G	780	49.016	87.666	61.589	1.00 69.97	G
ATOM ATOM	14198 14199	CE NZ	LYS G LYS G	780 780	50.089 49.909	88.495 88.533	60.888 59.404	1.00 69.97 1.00 69.97	G G
ATOM	14200	C	LYS G	780	46.760	84.994	62.894	1.00 5.38	G
MOTA	14201	0	LYS G	780	46.738	84.773	61.675	1.00 5.38	G
ATOM ATOM	14202 14203	N CD	PRO G PRO G	781 781	45.671 45.693	84.945 84.795	63.664 65.129	1.00 12.75 1.00 21.48	G G
ATOM	14204	CA	PRO G	781	44.338	84.678	63.134	1.00 12.75	G
ATOM	14205 14206	CB	PRO G	781 781	43.561 44.251	84.248 84.947	64.383	1.00 21.48	G G
ATOM ATOM	14207	CG C	PRO G PRO G	781	43.794	85.954	65.496 62.482	1.00 21.48 1.00 12.75	G
MOTA	14208	0	PRO G	781	43.331	86.868	63.171	1.00 12.75	G
ATOM ATOM	14209 14210	N CA	SER G SER G	782 782	43.846 43.402	86.005 87.188	61.153 60.423	1.00 11.11	G G
MOTA	14211	CB	SER G	782	43.968	87.192	59.005	1.00100.07	G
ATOM	14212	OG	SER G	782	43.216	86.339	58.165	1.00100.07	G
ATOM ATOM	14213 14214	С 0	SER G SER G	782 782	41.905 41.138	87.380 86.734	60.340 61.056	1.00 11.11	G G
ATOM	14215	N	ALA G	783	41.523	88.300	59.458	1.00 51.63	G
ATOM ATOM	14216	CA CB	ALA G	783 783	40.143 40.061	88.694	59.193	1.00 51.63	G G
ATOM	14217 14218	CP	ALA G ALA G		39.150	89.331 87.550	57.802 59.294	1.00 58.44 1.00 51.63	, G
ATOM	14219	0	ALA G	783	39.518	86.429	59.615	1.00 51.63	G
ATOM ATOM	14220 14221	N CA	ASP G		37.882 36.825	87.849 86.843	59.037 59.044	1.00 50.55 1.00 50.55	G G
ATOM	14222	CB	ASP G	784	36.885	86.065	57.713	1.00 57.04	G
ATOM	14223	CG	ASP G		35.519	85.896	57.042	1.00 57.04	G
ATOM ATOM	14224 14225		ASP G	784 784	34.718 35.248	85.065 86.586	57.512 56.031	1.00 57.04 1.00 57.04	G G
ATOM	14226	C	ASP G	784	36.942	85.870	60.219	1.00 50.55	G
ATOM	14227 14228	0	ASP G ILE G		36.324 37.724	84.813 86.210	60.198	1.00 50.55 1.00 32.32	G
ATOM ATOM	14229	N CA	ILE G	785	37.899	85.312	61.239 62.382	1.00 32.32	G G
ATOM	14230	СВ	ILE G		39.216	84.523	62.272	1.00 18.63	G
ATOM ATOM	14231 14232	CG2 CG1			39.408 39.175	83.596 83.700	63.472 60.989	1.00 18.63 1.00 18.63	G G
ATOM	14233	CD	ILE G		40.440	82.951	60.689	1.00 18.63	G
MOTA	14234	С	ILE G	785	37.940	86.166	63.619	1.00 32.32	G
ATOM ATOM	14235 14236	N O	ILE G		37.302 38.722	85.880 87.224	64.653 63.524	1.00 32.32 1.00 16.56	G G
ATOM	14237	CA	ILE G	786	38.784	88.121	64.635	1.00 16.56	G
ATOM	14238	CB	ILE G		39.721	89.272	64.332	1.00 16.24	G
ATOM ATOM	14239 14240	CG2 CG1	ILE G		39.651 41.144	90.296 88.720	65.456 64.118	1.00 16.24 1.00 16.24	G G
MOTA	14241	CD	ILE G	786	41.856	89.321	62.903	1.00 16.24	G
ATOM	14242	C	ILE G	786	37.336	88.560	64.681	1.00 16.56	G

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ATOM 36.772 14243 0 ILE G 786 88.712 65.752 1.00 16.56 14244 LEU G 787 36.714 63.504 1.00 29.58 ATOM N 88.678 14245 LEU G 787 35.304 MOTA 89.086 63.422 1.00 29.58 34.827 MOTA 14246 CB LEU G 787 89.178 61.976 1.00 21.67 LEU G 787 LEU G 787 ATOM 14247 CG 33.699 90.214 61.913 1.00 21.67 CD1 33.549 90.786 ATOM 14248 60.513 1.00 21.67 **LEU G 787** 14249 CD2 32.427 89.577 ATOM 62.384 1.00 21.67 14250 LEU G 787 34.413 88.109 64.175 1.00 29.58 ATOM LEU G 787 33.492 88.493 64.914 ATOM 14251 1.00 29.58 14252 N GLY G 788 34.690 63.974 MOTA 86.833 1.00 MOTA 14253 CA GLY G 788 33.924 85.829 64.669 1.00 35.27 34.175 33.361 35.327 1.00 35.27 1.00 35.27 ATOM 14254 14255 C GLY G 788 86.014 66.142 ō GLY G 788 66.838 86.603 85.548 MOTA 14256 LEU G 789 66.600 1.00 31.55 ATOM 14257 LEU G 789 35.681 85.621 ATOM CA 68.008 1.00 31.55 LEU G 789 LEU G 789 14258 СВ 37.169 85.334 68.159 1.00 14.08 ATOM 37.534 MOTA 14259 CG 83.938 67.655 1.00 14.08 14260 CD1 LEU G 789 39.001 83.644 82.918 ATOM 67.897 1.00 14.08 14261 LEU G 789 68.366 68.744 1.00 14.08 1.00 31.55 ATOM CD2 36.686 35.303 14262 86.912 MOTA LEU G 789 14263 LEU G 789 35.149 86.915 69.976 1.00 31.55 ATOM ATOM 14264 N TYR G 790 35.146 88.008 68.003 1.00 24.55 TYR G 790 TYR G 790 34.769 34.790 68.625 67.606 ATOM 14265 CA 89.272 1.00 24.55 14266 1.00 16.62 90.401 ATOM CB 34.931 91.765 92.901 TYR G 790 1.00 16.62 1.00 16.62 14267 CG ATOM 68.214 67.478 ATOM 14268 CD1 TYR G 790 34.658 94.155 68.016 MOTA 14269 CE1 TYR G 790 34.828 1.00 16.62 1.00 16.62 MOTA 14270 CD2 TYR G 790 35.371 91.916 69.516 TYR G 790 TYR G 790 TYR G 790 MOTA 14271 CE2 35.549 93.161 70.074 1.00 16.62 14272 35.273 35.457 94.284 95.541 69.322 69.878 1.00 16.62 1.00 16.62 MOTA CZ 14273 ОН ATOM G MOTA 14274 TYR G 790 33.350 89.074 69.112 1.00 24.55 14275 0 TYR G 790 33.121 70.273 1.00 24.55 ATOM 88.743 ATOM 14276 N TYR G 791 32.409 89.262 68.192 1.00 26.86 14277 14278 CA TYR G 791 TYR G 791 30.979 89.096 88.618 68.444 67.166 1.00 26.86 1.00 36.91 ATOM CB ATOM MOTA 14279 CG TYR G 791 29.405 89.611 66.493 1.00 36.91 CD1 TYR G 791 29.922 90.593 65.666 1.00 36.91 ATOM 14280 TYR G 791 ATOM 14281 CE1 29.080 91.494 65.007 1.00 36.91 CD2 TYR G 791 CE2 TYR G 791 MOTA 14282 28.028 89.546 66.659 1.00 36.91 66.012 65.184 64.542 27.173 27.700 ATOM 14283 90.440 1.00 36.91 CZ TYR G 791 91.416 92.313 1.00 36.91 14284 ATOM OH TYR G 791 26.853 1.00 36.91 ATOM 14285 14286 TYR G 791 30.660 88.091 69.562 ATOM С 1.00 26.86 TYR G 791 ILE G 792 ATOM 14287 0 29.657 88.229 70.256 1.00 26.86 31.501 31.312 87.070 ATOM 14288 N 69.710 70.717 1.00 27.61 ILE G 792 ATOM 14289 CA 86.037 1.00 27.61 ATOM 14290 CB ILE G 792 32.137 84.780 70.365 1.00 95.47 ATOM 14291 CG2 ILE G 792 31.735 83.605 71.237 1.00 95.47 CG1 ILE G 792 CD ILE G 792 31.895 MOTA 14292 84.407 84.282 68.911 1.00 95.47 30.433 68.576 1.00 95.47 MOTA 14293 72.059 ATOM 14294 C ILE G 792 86.557 1.00 27.61 ō ILE G 792 31.990 85.792 72.997 1.00 27.61 ATOM 14295 ATOM 14296 N THR G 793 31.956 87.864 72.166 1.00 29.38 ATOM 14297 CA THR G 793 THR G 793 32.438 88.415 73.419 1.00 29.38 ATOM 14298 CB 33.967 34.437 88.257 87.284 73.523 72.570 1.00 26.93 OG1 THR G 793 1.00 26.93 14299 MOTA ATOM 14300 CG2 THR G 793 34.340 87.825 74.924 1.00 26.93 THR G 793 73.595 1.00 29.38 MOTA 14301 32.118 89.888 THR G 793 GLN G 794 72.939 MOTA 14302 0 32.703 90.727 1.00 29.38 N 90.218 1.00 34.55 MOTA 14303 31.194 GLN G 794 14304 CA 30.890 74.685 1.00 34.55 ATOM 91.621 GLN G 794 30.151 92.188 73.469 1.00 41.57 MOTA 14305 CB 31.074 31.762 32.257 ATOM 14306 CG GLN G 794 92.784 72.417 1.00 41.57 CD GLN G 794 OE1 GLN G 794 94.075 MOTA 14307 72.880 1.00 41.57 94.173 95.069 74.012 14308 1.00 41.57 ATOM ATOM 14309 NE2 GLN G 794 31.808 71.989 1.00 41.57 ATOM 14310 GLN G 794 30.095 91.910 75.949 1.00 34.55 ATOM 14311 0 GLN G 794 30.647 92.188 77.021 1.00 34.55 VAL G 795 VAL G 795 28.790 27.780 91.812 92.065 75.785 76.791 MOTA 14312 N 1.00 69.62 1.00 69.62 ATOM 14313 CA СВ 92.647 14314 VAL G 795 28.338 78.104 1.00 60.61 ATOM VAL G 795 27.197 93.133 MOTA 14315 CG1 78.987 1.00 60.61 VAL G 795 29.097 91.565 ATOM 14316 CG2 78,863 1.00 60.61 VAL G 795 VAL G 795 ATOM 14317 27.038 93.105 75.999 1.00 69.62 27.174 74.776 ATOM 14318 0 93.143 1.00 69.62 ARG G 796 76.634 14319 14320 93.975 1.00 47.34 1.00 47.34 ATOM N 26.280 ARG G 796 CA 25.558 94.902 75.806 ATOM 14321 CB ARG G 796 24.277 ATOM 94.237 75.307 1.00 79.01 MOTA 14322 CG ARG G 796 24.422 92.894 1.00 79.01 74.644 ATOM 14323 CD ARG G 796 23.335 92.822 73.633 1.00 79.01 1.00 79.01 1.00 79.01 ARG G 796 23.152 ATOM 14324 NE 91.514 73.040 14325 CZ ARG G 796 22.372 91.311 71.986 MOTA ATOM 14326 NH1 ARG G 796 21.735 92.339 71.441 1.00 79.01

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ATOM
       14327
               NH2 ARG G 796
                                      22.216
                                               90.093
                                                         71.485
                                                                  1.00 79.01
                                                         76.383
77.286
MOTA
       14328
                    ARG G 796
                                      25.181
25.818
                                               96.245
                                                                  1.00 47.34
               C
                                                                                     G
                    ARG G 796
                                               96.790
ATOM
       14329
                                                                  1.00 47.34
                                                                                     G
ATOM
       14330
                    ALA G 797
                                      24.097
                                                96.743
                                                         75.802
                                                                  1.00
                                                                        99.50
ATOM
       14331
                    ALA G 797
                                      23.480
                                                98.002
                                                         76.121
                                                                  1.00 99.50
ATOM
       14332
               CB
                    ALA G 797
                                      24.266
                                               99.138
                                                         75.489
                                                                  1.00100.07
                    ALA G 797
ALA G 797
                                      22.105
21.772
21.327
                                                         75.478
74.549
ATOM
       14333
                                               97.880
                                                                  1.00 99.50
ATOM
       14334
                                               98.619
                                                                  1.00 99.50
                                                                                     G
                    ALA G 798
                                                         75.937
ATOM
       14335
                                                96.903
                                                                  1.00 95.05
                                                                                     Ġ
ATOM
       14336
               CA
                    ALA G 798
                                      19.981
                                               96.720
                                                         75.410
                                                                  1.00 95.05
                                                                                     G
MOTA
       14337
               СВ
                    ALA G 798
                                      19.300
                                               95.529
                                                         76.088
                                                                  1.00
                                                                        12.09
                    ALA G 798
ALA G 798
MOTA
       14338
                                      19.280
                                               98.029
                                                         75.769
75.095
                                                                  1.00 95.05
                                      18.342
19.785
19.321
MOTA
       14339
                                               98.474
                                                                  1.00 95.05
                                                                                     G
                    ALA G 799
                                                                  1.00100.07
                                               98.635
                                                         76.845
АТОМ
       14340
               N
                    ALA G 799
       14341
                                               99.911
                                                                  1.00100.07
MOTA
               CA
                                                         77.383
                                                                                     G
MOTA
       14342
               CB
                    ALA G 799
                                      19.820
                                             101.055
                                                         76.495
                                                                  1.00 87.62
                                                                                     G
ATOM
       14343
                    ALA G 799
                                      17.819 100.069
                                                         77.628
                                                                  1.00100.07
       14344
                    ALA G 799
                                      16.985
                                              99.772
                                                         76.762
                                                                  1.00100.07
ATOM
MOTA
       14345
               N
                    ALA G 800
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                                                         78.831
                                                                  1.00 99.90
                                                                                     G
                                     16.128 100.814
15.501 99.598
                    ALA G 800
                                                                  1.00 99.90
ATOM
       14346
               CA
                                                         79.244
                                                                                     G
       14347
               CB
                    ALA G 800
                                               99.598
                                                         79.861 80.266
ATOM
                                                                  1.00 61.20
                                                                                     G
ATOM
       14348
               C
                    ALA G 800
                                      16.229 101.932
                                                                  1.00
                                                                        99.90
                                                                                     G
ATOM
       14349
                    ALA G 800
                                      15.510 102.930
                                                         80.181
                                                                  1.00 99.90
MOTA
       14350
               N
                    GLY G 801
                                      17.140 101.770
                                                         81.224
                                                                  1.00 82.64
ATOM
       14351
               CA
                    GLY G 801
                                      17.329 102.799
                                                         82.235
                                                                  1.00 82.64
                                     17.659 102.317
16.895 101.563
                    GLY G 801
GLY G 801
MOTA
       14352
               C
                                                         83.631
                                                                  1.00 82.64
                                                                                     G
ATOM
       14353
               O
                                                         84.221
                                                                  1.00 82.64
                                                                                     G
                                      18.787 102.764
ATOM
       14354
               N
                    ALA G 802
                                                         84.172
                                                                  1.00 81.10
                                                                                     G
MOTA
       14355
               CA
                    ALA G 802
                                      19.189 102.352
                                                         85.511
                                                                  1.00 81.10
                                                                                     G
MOTA
       14356
                    ALA G 802
                                      20.520 103.002
                                                         85.881
                                                                  1.00 95.74
MOTA
       14357
                    ALA G 802
                                      18.131 102.673
                                                         86.575
                                                                  1.00 81.10
                                                         86.743
MOTA
       14358
               0
                    ALA G 802
                                      17.716 103.823
                                                                  1.00 81.10
                                                                                     G
                    GLY G 803
GLY G 803
                                     17.695 101.635
16.710 101.797
                                                                  1.00 90.76
1.00 90.76
MOTA
       14359
               N
                                                         87.283
                                                        88.335
                                                                                     G
MOTA
       14360
               CA
                                                        89.660
89.707
MOTA
       14361
               С
                    GLY G 803
                                      17.317 101.362
                                                                  1.00 90.76
ATOM
       14362
                    GLY G 803
                                      18.458 100.899
                                                                  1.00 90.76
       14363
                    ALA G 804
                                      16.555 101.508
                                                         90.741
                                                                  1.00100.07
ATOM
ATOM
       14364
               CA
                    ALA G 804
                                      17.027 101.128
                                                        92.075
                                                                  1.00100.07
                    ALA G 804
                                      16.739 102.251
                                                                  1.00100.07
1.00100.07
1.00100.07
ATOM
       14365
               CB
                                                        93.079
                                                                                     G
                                     16.424
15.292
17.199
                    ALA G 804
                                                        92.579
92.241
       14366
                                               99.814
ATOM
               C
ATOM
       14367
                    ALA G 804
                                               99.441
                                                                                     G
ATOM
       14368
                    ALA G 805
                                               99.122
                                                         93.403
                                                                  1.00100.07
ATOM
       14369
               CA
                    ALA G 805
                                      16.786
                                               97.853
                                                        93.966
                                                                  1.00100.07
MOTA
       14370
               CB
                    ALA G 805
ALA G 805
                                     17.143
17.550
                                               96.723
97.702
                                                        93.017
95.257
                                                                  1.00100.07
                                                                                     G
                                                                  1.00100.07
MOTA
       14371
                                               97.208
                                                        96.251
MOTA
       14372
                    ALA G 805
                                     17.021
                                                                  1.00100.07
MOTA
       14373
               N
                    ALA G 806
                                      18.804
                                               98.147
                                                         95.220
                                                                  1.00 89.04
ATOM
       14374
               CA
                    ALA G 806
                                      19.717
                                               98.081
                                                        96.362
                                                                  1.00 89.04
MOTA
       14375
               CB
                    ALA G 806
                                      19.110
                                               98.779
                                                        97.578
                                                                  1.00100.07
                                                                                     G
                                                                  1.00 89.04
1.00 89.04
MOTA
       14376
               C
                    ALA G 806
                                      19.995
                                               96.622
                                                        96.676
97.417
                    ALA G 806
                                      20.928
                                               96.298
                                                                                     G
MOTA
       14377
               a
                    ALA G 807
                                               95.758
                                                                  1.00100.07
MOTA
       14378
               N
                                      19.172
                                                         96.085
       14379
                    ALA G 807
                                      19.266
                                               94.314
                                                        96.266
                                                                  1.00100.07
ATOM
               CA
ATOM
       14380
               CB
                    ALA G 807
                                     19.533
                                               93.989
                                                        97.738
                                                                  1.00100.07
ATOM
       14381
                    ALA G 807
ALA G 807
                                     18.015
16.881
                                               93.553
93.842
                                                        95.780
96.188
                                                                  1.00100.07
                                                                                     G
G
ATOM
       14382
ATOM
       14383
                    ALA G 808
                                               92.575
                                                                  1.00100.07
               N
                                      18.256
                                                        94.908
                                                                                     G
MOTA
       14384
               CA
                    ALA G 808
                                      17.234
                                               91.712
                                                         94.324
                                                                  1.00100.07
MOTA
       14385
               СВ
                    ALA G 808
                                      17.155
                                               90.424
                                                        95.117
                                                                  1.00 18.34
                                                                                     G
                                                                  1.00100.07
                                     15.836
15.530
MOTA
       14386
               C
                    ALA G 808
                                               92.291
                                                        94.139
                    ALA G 308
                                               92.860
                                                        93.089
                                                                  1.00100.07
       14387
               O
ATOM
                                                                                     G
MOTA
                    ALA G 809
                                               92.141
                                                        95.150
95.060
                                                                  1.00 92.40
       14388
                                      14.987
                                                                                     G
               Ν
                    ALA G 809
                                               92.618
                                     13.612
                                                                  1.00 92.40
ATOM
       14389
               CA
                                                                                     G
MOTA
       14390
                    ALA G 809
                                      13.579
                                                         94.867
                                                                  1.00 85.72
               CB
                                               94.135
ATOM
       14391
                    ALA G 809
                                     12.973
                                               91.905
                                                        93.862
                                                                  1.00 92.40
                                                                  1.00 92.40
1.00 99.97
ATOM
       14392
               0
                    ALA G 809
                                     13.635
                                               91.126
                                                        93.165
                                                                                     G
                                                        93.621
92.507
                                     11.692
11.010
       14393
                    ALA G 810
                                               92.156
ATOM
               N
ATOM
                                               91.508
       14394
                    ALA G 810
                                                                  1.00 99.97
                                                                                     G
               CA
MOTA
       14395
               CB
                    ALA G 810
                                      9.553
                                               91.232
                                                        92.867
                                                                  1.00100.07
       14396
                    ALA G 810
                                      11.090
                                               92.336
                                                        91.236
                                                                  1.00 99.97
MOTA
                                               91.943 93.480
MOTA
       14397
               0
                    ALA G 810
                                     10.547
                                                        90.208
                                                                  1.00 99.97
                                                                                     G
                                      11.769
       14398
                    ALA G 811
                                                        91.310
                                                                  1.00 87.38
ATOM
               N
                    ALA G 811
                                      11.933
                                               94.353
                                                        90.151
                                                                  1.00 87.38
MOTA
       14399
                                                                                     G
               CA
                                      12.874
                                               95.495
MOTA
       14400
               CB
                    ALA G 811
                                                        90.475
                                                                  1.00 86.01
MOTA
       14401
               С
                    ALA G 811
                                      12.492
                                               93.531
                                                        89.000
                                                                  1.00 87.38
MOTA
       14402
               0
                    ALA G 811
                                      12.590
                                               94.010
                                                        87.868
                                                                  1.00 87.38
                                                                                     G
                                               92.294
91.377
MOTA
       14403
               N
                    ALA G 812
                                      12.880
                                                        89.312
                                                                  1.00100.07
                                                                  1.00100.07
                    ALA G 812
                                      13.397
                                                        88.309
       14404
ATOM
               CA
       14405
                    ALA G 812
                                      13.622
                                               89.971
                                                        88.921
                                                                  1.00 22.09
MOTA
               CB
                                                                  1.00100.07
                    ALA G 812
                                      12.292
                                               91.343
                                                        87.257
ATOM
       14406
               C
                                      12.359
MOTA
       14407
                    ALA G 812
                                               92.051
                                                                  1.00100.07
                                                                  1.00 77.38
1.00 77.38
ATOM
       14408
                    ALA G 813
                                      11.259
                                               90.549
                                                        87.516
ATOM
       14409
               CA
                   ALA G 813
                                     10,137
                                               90.454
                                                        86.593
                                                                                     G
ATOM
       14410
               CB
                    ALA G 813
                                      9.417
                                               89.119
                                                        86.760
                                                                  1.00100.07
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ATOM

14494

CB

ALA

ALA G 813 9.174 91.602 86.837 1.00 77.38 14411 С ATOM ALA G 813 8.318 1.00 77.38 14412 0 91.879 85.999 MOTA 14413 ALA G 814 9.308 92.263 87.988 1.00 98.94 ATOM Ν 14414 ALA G 814 8.441 93.394 88.314 1.00 98.94 ATOM CA 89.609 ATOM 14415 CB ALA G 314 8.872 94.060 1.00 60.22 ALA G 814 94.349 1.00 98.94 C 8.634 ATOM 14416 7.774 9.795 14417 Ó ALA G 814 95.176 86.868 1.00 98.94 ATOM ALA G 815 94.213 86.543 1.00100.07 14418 N ATOM 14419 CA ALA G 815 10.169 95.025 85.405 1.00100.07 ATOM 14420 CB ALA G 815 11.559 95.595 85.616 1.00100.07 ATOM ATOM 14421 C ALA G 815 10.151 94.110 84.194 1.00100.07 1.00100.07 ALA G 815 ALA G 816 9.588 10.782 94.445 92.951 83,148 ATOM 14422 0 14423 N 84.345 1.00 69.38 ATOM ATOM 14424 CA ALA G 816 10.810 91.985 83.268 1.00 69.38 1.00100.07 14425 CB ALA G 816 11.576 90.745 83.684 ATOM 9.352 8.793 8.740 ALA G 816 91,653 83.034 1.00 69.38 MOTA 14426 C 90.752 83.668 14427 O ALA G 816 ATOM ALA G 817 82.137 1.00100.07 ATOM 14428 N 92.416 MOTA 14429 CA ALA G 817 7.335 92.256 81.788 1.00100.07 MOTA 14430 СВ ALA G 817 6.468 92.273 83.047 1.00100.07 G 1.00100.07 MOTA 14431 С ALA G 817 6.952 93.413 80.874 G ALA G 817 ALA G 818 5.852 7.877 ATOM 14432 0 93.436 14433 94.365 80.744 1.00 83.84 N ATOM ALA G 818 7.718 79.913 1.00 83.84 MOTA 14434 ÇA 95.560 ATOM 14435 CB ALA G 818 6.302 96.119 80.026 1.00100.07 8.723 8.722 9.585 96.608 97.012 1.00 83.84 1.00 83.84 ATOM 14436 С ALA G 818 80.375 G ALA G 818 GLY G 819 81.541 MOTA 14437 0 97.038 79.459 14438 1.00 92.75 MOTA N 1.00 92.75 1.00 92.75 GLY G 819 10.585 98.037 79.794 ATOM 14439 CA 80.972 81.517 14440 GLY G 819 11.473 97.667 G MOTA 96.567 MOTA 14441 0 GLY G 819 11.377 1.00 92.75 G ALA G 820 ALA G 820 71.25 14442 14443 12.345 13.262 81.358 82.475 1.00 98.594 MOTA N 98.387 1.00 71.25 CA MOTA 14444 ALA G 820 12.479 98.234 83.759 1.00 78.61 G MOTA 1.00 71.25 14445 С ALA G 820 14.178 97.183 82.286 G ATOM ALA G 820 ALA G 821 96.322 97.149 ATOM 14446 0 14.258 83.164 14.881 1.00100.07 81.150 80.788 MOTA 14447 N ALA G 821 15.809 1.00100.07 CA 96.063 14448 ATOM 16.166 79.296 1.00100.07 MOTA 14449 CB ALA G 821 96.157 17.099 17.278 17.999 1.00100.07 MOTA 14450 ¢ ALA G 821 95.975 81.618 ALA G 821 ALA G 822 96.694 95.089 82.605 81.196 14451 0 ATOM 1.00100.07 MOTA 14452 N ALA G 822 19.264 81.899 1.00100.07 14453 CA 94.872 ATOM ALA G 822 19.765 93.457 1.00100.07 MOTA 14454 CB 81.611 1.00100.07 14455 С ALA G 822 20.361 95.897 81.574 G MOTA 95.577 97.118 80.890 82.082 MOTA 14456 O ALA G 822 21.342 20.206 1.00 99.87 ALA G 823 14457 ATOM N 1.00 99.87 14458 CA ALA G 823 21.179 98.177 81.831 ATOM MOTA 14459 CB ALA G 823 20.653 99.114 80.741 1.00100.07 G 83.094 83.251 1.00 99.87 1.00 99.87 MOTA 14460 C ALA G 823 ALA G 823 21.493 21.013 98.973 100.096 ATOM 14461 И О ALA G 824 22.302 83.978 1.00100.07 14462 98.387 ATOM 14463 ALA G 824 22.710 98.998 85.251 1.00100.07 ATOM CA 1.00 59.03 ATOM 14464 CB ALA G 824 22.729 100.523 85.143 86.449 87.200 ATOM 14465 14466 С 0 ALA G 824 ALA G 824 21.851 22.259 98.569 97.685 1.00100.07 ATOM 1.00 78.72 1.00 78.72 1.00 5.07 14467 Ň ALA G 825 20.676 99.184 86.622 G ATOM 87.742 87.411 89.001 ATOM 14468 CA ALA G 825 19.775 98.866 G G 97.659 98.589 14469 14470 ALA G 825 ALA G 825 MOTA CB 18.897 1.00 78.72 20.590 G ATOM ATOM C 21.112 97.487 89.189 1.00 78.72 14471 0 ALA G 825 1.00100.07 1.00100.07 1.00100.07 ALA G 826 20.673 99.594 89.866 G ATOM 14472 N 21.458 21.509 91.096 91.732 ATOM 14473 CA ALA G 826 99.524 100.907 G ATOM 14474 CB ALA G 826 14475 č ALA G 826 21.106 98.491 92.165 1.00100.07 ATOM ALA G 826 20.024 97.899 92.183 1.00100.07 ATOM 14476 ATOM 14477 N ALA G 827 22.073 98.302 93.058 1.00100.00 G 1.00100.00 21.997 97.393 95.938 94.199 93.736 ATOM 14478 CA ALA G 827 1.00 59.82 21.977 MOTA MOTA ALA G 827 14479 CB 14480 C ALA G 827 23.269 97.697 94.995 1.00100.00 ATOM 14481 ALA G 827 23.587 98.868 95.211 1.00100.00 ATOM 14482 N ALA G 328 23.996 96.667 95.426 1.00100.07 G ATOM 14483 CA CB ALA G 828 ALA G 828 25.246 25.485 96.877 95.734 96.172 97.170 1.00100.07 14484 ATOM ALA G 828 26.393 1.00100.07 ATOM 14485 C 96.951 95.161 ATOM 14486 Ó ALA G 828 27.516 97.357 95.491 1.00100.07 96.543 96.545 95.209 ATOM 14487 N ALA G 829 26.072 93.930 1.00100.07 1.00100.07 ATOM 14488 CA ALA G 829 26.980 27.730 92.782 ALA G 829 92.674 1.00 46.71 ATOM 14489 CB 26.099 96.757 91.548 1.00100.07 14490 Ċ ALA G 829 ATOM ō ALA G 829 26.581 97.145 90.484 1.00100.07 ATOM 14491 24.801 23.780 24.032 96.502 96.640 97.918 91.726 90.683 14492 N ALA G 830 1.00 98.89 ATOM 1.00 98.89 ATOM 14493 CA ALA G 830 1.00 G 830 89.862 32.06

MOTA 14495 ALA G 830 23.721 95.410 89.767 1.00 98.89 14496 ALA G 830 24.370 1.00 98.89 MOTA 94.395 90.037 MOTA 14497 GLY G 831 22.918 95.489 88.707 1.00 99.91 ATOM 14498 CA GLY G 831 22.836 94.380 87,769 1.00 99.91 G 14499 GLY G 831 21.501 93.698 87.547 MOTA 1.00 99.91 G MOTA 14500 GLY G 831 20.659 93.637 88.437 1.00 G MOTA 14501 ALA G 832 21.316 86.339 1.00100.01 MOTA 14502 ALA G 832 20.098 92.467 85.977 1.00100.01 MOTA 14503 CB ALA G 832 19.354 93.219 84.891 1.00 84.40 14504 20.487 91.072 85.490 84.517 1.00100.01 MOTA C ALA G 832 MOTA 14505 ALA G 832 90.551 1.00100.01 G MOTA 14506 ALA G 833 21.476 90.495 86.165 1.00 78.13 1.00 78.13 MOTA 14507 ALA G 833 21.956 89.155 85.865 MOTA 14508 CB ALA G 833 23.428 89.170 85.624 1.00 20.38 MOTA 14509 ALA G 833 21.642 88.378 87.127 1.00 78.13 1.00 78.13 14510 ALA G 833 MOTA 22.520 87.767 87.744 G 20.370 MOTA 14511 ALA G 934 88.444 87.512 1.00100.07 ALA G 834 19.857 87.781 88.701 1.00100.07 MOTA 14512 MOTA 14513 CB ALA G 834 18.708 88.588 89.276 1.00 59.74 1.00100.07 MOTA 14514 C ALA G 834 19.395 86.365 88.372 19.479 ATOM 14515 ALA G 834 85,469 89.213 G 18.898 87.151 1.00 61.36 MOTA 14516 ALA G 835 86.175 MOTA 14517 ALA G 835 18.444 84.865 86.685 1.00 61.36 ATOM 14518 CB ALA G 835 17.337 85.047 85.653 1.00 96.27 19.635 19.711 84.101 83.913 MOTA 14519 ALA G 835 86.071 1.00 61.36 14520 ALA G 835 ATOM 84.846 1.00 61.36 G MOTA 14521 ALA G 836 20.565 83.679 86.932 1.00 43.72 21.767 86.507 1.00 43.72 ATOM 14522 CA ALA G 836 82.962 14523 СВ ALA G 836 22.849 83.953 1.00 50.53 ATOM 86.087 MOTA 14524 C ALA G 836 22.327 82.013 87.571 1.00 43.72 22.268 22.879 ATOM 14525 0 ALA G 836 82.277 88.777 1.00 43.72 87.087 87.938 GLY G 837 80.904 1.00 85.16 ATOM 14526 N GLY G 837 MOTA 14527 CA 23.466 79.883 1.00 85.16 79.178 **GLY G 837** 24.560 87.153 MOTA 14528 1.00 85.16 1.00 85.16 MOTA 14529 GLY G 837 24.566 79.228 85.918 87.852 25.478 78.517 MOTA 14530 N ALA G 838 1.00 66.54 G 14531 26.583 ALA G 838 77.838 1.00 66.54 MOTA CA 87,185 27.829 87.277 MOTA 14532 CB ALA G 838 78.693 1.00100.07 14533 ALA G 838 26.873 76.444 87.727 1.00 66.54 ATOM 26.427 27.644 MOTA 14534 0 ALA G 838 76.094 88.814 1.00 66.54 1.00 89.68 14535 ALA G 839 75.669 MOTA N 86.959 G 14536 ALA G 839 28.014 87.314 1.00 89.68 ATOM CA 74.294 ALA G 839 28.158 73.456 1.00 45.77 ATOM 86.031 ATOM 14538 ALA G 839 29.294 74.186 88.163 1.00 89.68 30.054 MOTA 14539 O ALA G 839 75.154 88.293 1.00 89.68 29.522 30.698 1.00100.07 ATOM 14540 N ALA G 840 73.000 72.747 88,737 G ALA G 840 MOTA 14541 CA 89.584 1.00100.07 ATOM 14542 ALA G 840 30.292 71.879 90.831 1.00 5.07 ATOM 14543 ALA G 840 31.842 72.075 88.806 1.00100.07 ATOM 14544 a ALA G 840 31.603 33.077 71.170 72.523 87.998 1.00100.07 1.00100.07 ALA G 841 89.053 ATOM 14545 G 34.269 MOTA 14546 CA ALA G 841 71.987 88.379 1.00100.07 1.00100.07 14547 СВ ALA G 841 35.514 72.775 88.805 ATOM 34.481 34.902 ATOM 14548 ALA G 841 70.489 88.635 1.00100.07 G 1.00100.07 70.078 ATOM 14549 ALA G 841 89.722 87.613 ATOM 14550 ALA G 842 34.200 69.683 1.00100.07 G 14551 34.329 1.00100.07 ATOM CA ALA G 842 68.235 87.714 67.663 67.558 MOTA 14552 CB ALA G 842 33.067 88.354 1.00 47.21 1.00100.07 ALA G 842 34.579 АТОМ 14553 C 86.358 G 34.214 0 14554 ALA G 842 1.00100.07 MOTA 86,176 66.389 35.200 MOTA 14555 ALA G 843 68.296 85.429 ALA G 843 35.535 1.00 83.68 ATOM 14556 67.842 84.063 ATOM 14557 CB ALA G 843 34.731 66.594 83.679 1.00100.07 ATOM 14558 C ALA G 843 35.219 36.070 68.971 83.088 1.00 83.68 G 82.775 1.00 83.68 14559 ALA G 843 69.804 ATOM ALA G 844 33.983 82.605 1.00100.07 ATOM 14560 68.976 ATOM 14561 ALA G 844 33.514 70.012 81.700 1.00100.07 32.724 32.613 69.386 1.00 34.11 1.00100.07 ATOM 14562 CB ALA G 844 80.534 14563 ALA G 844 82.568 MOTA ATOM 14564 ALA G 844 31.675 70.409 83.211 1.00100.07 ATOM 14565 ALA G 845 32.912 72.204 82.602 1.00100.07 ATOM 14566 CA ALA G 845 32.148 73.160 83.413 1.00100.07 G 1.00 85.18 14567 ALA G 845 33.097 MOTA CB 73.915 84.335 1.00100.07 ATOM 14568 ALA G 845 31.288 74.162 82.626 MOTA 14569 ALA G 845 31.410 74.279 81.403 1.00100.07 ALA G 846 ATOM 14570 30.421 74.881 83.344 1.00 76.95 1.00 76.95 ATOM 14571 CA ALA G 846 29.536 75.871 82.737 G MOTA 14572 CB ALA G 846 30.352 77.027 82,201 1,00 22.44 1.00 76.95 14573 28.745 75.244 ATOM ALA G 846 81.602 ATOM 14574 ALA G 846 28.201 75.953 80.754 1.00 76.95 G 73.914 14575 28.689 ATOM ALA G 847 81.592 1.00 82.66 G 14576 ALA G 847 27.996 73.167 1.00 82.66 ATOM CA 80.545 1.00 MOTA 14577 CB ALA G 847 28.336 71.669 80.659 5.07 26.483 947 ATOM 14578 CALA G 73.376 80.541 82.66

ATOM	14579	0	ALA G 847	25.814	73.082	79.550	1.00 82.66	G
ATOM	14580	N	ALA G 848	25.950	73.897	81.641	1.00 72.60	G
ATOM	14581	CA	ALA G 848	24.516	74.144	81.748	1.00 72.60	G
MOTA	14582	CB	ALA G 848	24.069	73.945	83.187	1.00 94.69	G
MOTA	14583	C	ALA G 848	24.142	75.551	81.272	1.00 72.60	G
ATOM	14584	0	ALA G 848	22.965	75.870	81.111	1.00 72.60	G
ATOM	14585	N	ALA G 849	25.150	76.385	81.044	1.00 34.26	G
ATOM	14586	CA	ALA G 849	24.931	77.754	80.602	1.00 34.26	G
ATOM	14587	CB	ALA G 849	25.918	78.677	81.287	1.00 39.16	G
MOTA	14588	С	ALA G 849	25.065	77.877	79.092	1.00 34.26	G
MOTA	14589	0	ALA G 849	24.208	78.451	78.427	1.00 34.26	G
ATOM	14590	N	ALA G 850	26.153	77.355	78.544	1.00 60.24	G
ATOM	14591	CA	ALA G 850	26.334	77.430	77.106	1.00 60.24	G
MOTA	14592	CB	ALA G 850	27.637	76.722	76.697	1.00 20.96	G
ATOM	14593	C	ALA G 850	25.103	76.739	76.510	1.00 60.24	G
MOTA	14594	0	ALA G 850	24.624	77.099	75.430	1.00 60.24	G
ATOM	14595	N	ALA G 851	24.586	75.757	77.250	1.00 53.83	G
ATOM	14596	CA	ALA G 851	23.400	75.007	76.849	1.00 53.83	G
ATOM	14597	CB	ALA G 851	23.416	73.625	77.481	1.00 62.17	G
ATOM	14598	C	ALA G 851	22.191	75.799	77.338	1.00 53.83	G
MOTA	14599	0	ALA G 851	21.104	75.748	76.754	1.00 53.83	G
MOTA	14600	N	ALA G 852	22.378	76.524	78.435	1.00 66.34	G
ATOM	14601	CA	ALA G 852	21.299	77.348	78.939	1.00 66.34	G
ATOM	14602	CB	ALA G 852	21.785	78.206	80.088	1.00 52.64	G
ATOM	14603	C	ALA G 852	20.964	78.213	77.730	1.00 66.34	G
ATOM	14604	0	ALA G 852	19.809	78.303	77.310	1.00 66.34	G
MOTA	14605	N	ALA G 853	22.012	78.815	77.162	1.00 33.20	G
MOTA	14606	CA	ALA G 853	21.914	79.670	75.982	1.00 33.20	G
ATOM	14607	CB	ALA G 853	23.315	80.047	75.502	1.00 5.07	G
ATOM	14608	C	ALA G 853	21.168	78.938	74.873	1.00 33.20	G
ATOM	14609	0	ALA G 853	20.368	79.535	74.153	1.00 33.20	G
ATOM	14610	N	ALA G 854	21.436	77.637	74.755	1.00 64.50	G
MOTA	14611	CA	ALA G 854	20.827	76.804	73.724	1.00 64.50	G
ATOM	14612	CB	ALA G 854	21.117	75.344	73.977	1.00 18.45	G
ATOM	14613	C	ALA G 854	19.339	77.016	73.610	1.00 64.50	G
ATOM	14614	0	ALA G 854	18.900	77.858	72.835	1.00 64.50	G
ATOM	14615	N	ALA G 855	18.560	76.255	74.373	1.00 66.03	G
ATOM	14616	CA	ALA G 855	17.107	76.387	74.317	1.00 66.03	G
MOTA	14617	CB	ALA G 855	16.448	75.572	75.456	1.00 8.00	G
ATOM	14618	C	ALA G 855	16.730	77.874	74.392	1.00 66.03	G
ATOM	14619	0	ALA G 855	16.534	78.434	75.464	1.00 66.03	G
ATOM	14620	N	GLY G 856	16.668	78.496	73.219	1.00 76.46	G
ATOM	14621	CA	GLY G 856	16.337	79.904	73.077	1.00 76.46	G
MOTA	14622	C	GLY G 856	16.235	80.810	74.290	1.00 76.46	G G
ATOM	14623	O N	GLY G 856	15.143	81.240	74.654	1.00 76.46	G
ATOM	14624 14625	N C2	ALA G 857 ALA G 857	17.363 17.369	81.121 82.008	74.913 76.073	1.00100.07	G
ATOM ATOM	14626	CA CB	ALA G 857	16.901	81.254	77.322	1.00100.07	G
MOTA	14627	C	ALA G 857	18.788	82.543	76.259	1.00100.07	G
MOTA	14628	Ö	ALA G 857	19.762	81.815	76.042	1.00100.07	G
ATOM	14629	N	ALA G 858	18.911	83.811	76.652	1.00100.07	G
ATOM	14630	CA	ALA G 858	20.231	84.419	76.830	1.00 77.23	Ğ
ATOM	14631	CB	ALA G 858	20.993	83.713	77.982	1.00 5.07	Ğ
ATOM	14632	č	ALA G 858	20.977	84.263	75,496	1.00 77.23	Ğ
MOTA	14633	ŏ	ALA G 858	21.750	83.327	75.316	1.00 77.23	Ğ
ATOM	14634	N	ALA G 859	20.726	85.187	74.571	1.00 84.29	G
ATOM	14635	CA	ALA G 859	21.319	85.160	73.235	1.00 84.29	G
ATOM	14636	CB	ALA G 859	20.999	86.453	72.491	1.00 13.60	Ğ
ATOM	14637	C	ALA G 859	22.813	84.883	73.157	1.00 84.29	G
MOTA	14638	0	ALA G 859	23.388	84.937	72.068	1.00 84.29	_ G
MOTA	14639	N	ALA G 860	23.442	84.605	74.298	1.00 66.13	G
MOTA	14640	CA	ALA G 860	24.870	84.275	74.354	1.00 66.13	G
MOTA	14641	CB	ALA G 860	25.172	83.070	73.458	1.00100.07	G
ATOM	14642	С	ALA G 860	25.853	85.380	74.031	1.00 66.13	G
MOTA	14643	0	ALA G 860	26.915	85.420	74.647	1.00 66.13	G
MOTA	14644	N	ALA G 861	25.523	86.241	73.057	1.00 46.95	G
ATOM	14645	CA	ALA G 861	26.394	87.354	72.645	1.00 46.95	G
ATOM	14646	CB	ALA G 861	25.728	88.222	71.566	1.00 5.07	G
ATOM	14647	C	ALA G 861	26.658	88.185	73.864	1.00 46.95	G
ATOM	14648	0	ALA G 861	26.401	89.387	73.880	1.00 46.95	G
MOTA	14649	N	ALA G 862	27.172	87.512	74.885	1.00100.07	G
ATOM	14650	CA	ALA G 862	27.483	88.115	76.155	1.00100.07	G
ATOM	14651	CB	ALA G 862	28.612	89.105	75.984	1.00100.07	G
ATOM	14652	C	ALA G 862	26.234	88.793	76.698	1.00100.07	G
ATOM	14653	0	ALA G 862	25.741	89.773	76.136	1.00100.07	G
MOTA	14654	N	ALA G 863	25.704	88.242	77.779	1.00 51.13	G
MOTA	14655	CA	ALA G 863	24.522	88.806	78.391	1.00 51.13	G
ATOM	14656	CB	ALA G 863	23.486	87.729	78.589	1.00 40.03	G
ATOM	14657	C	ALA G 863	24.986	89.361	79.728	1.00 51.13	G
ATOM	14658	O	ALA G 863	24.372	90.273	80.312	1.00 51.13	G G
MOTA	14659 14660	N CA	ALA G 864 ALA G 864	26.107 26.738	88.803 89.155	80.176 81.440	1.00 59.26 1.00 59.26	G
MOTA MOTA	14661	CB	ALA G 864	26.681	90.666	81.667	1.00 39.26	G
LI OII		CD	Phy G 004					
ATOM	14662	C	ALA G 864	26.025	88.403	82.559	1.00 59.26	G

ATOM	14663	0	ALA G 8		25.530	88.997	83.506	1.00 59.26	G
ATOM ATOM	14664 14665	N CA	ALA G 8		25.973 25.331	87.082 86.219	82.422 83.406	1.00 87.91 1.00 87.91	G G
MOTA	14666	CB	ALA G 8	65	24.974	84.889	82.768	1.00100.07	G
MOTA MOTA	14667 14668	C O	ALA G 8		26.264 27.304	85.991 86.632	84.584 84.686	1.00 87.91 1.00 87.91	G G
ATOM	14669	N	ALA G 8		25.894	85.076	85.474	1.00 34.71	G
ATOM	14670	CA	ALA G 86		26.731	84.788 85.176	86.632	1.00 34.71	G
MOTA MOTA	14671 14672	CB C	ALA G 8		26.005 27.116	83.311	87.923 86.666	1.00 55.51 1.00 34.71	G G
ATOM	14673	0	ALA G 8	56	26.460	82.511	87.317	1.00 34.71	G
ATOM ATOM	14674 14675	N CA	ALA G 86		28.185 28.634	82.949 81.561	85.965 85.932	1.00 39.82 1.00 39.82	G G
ATOM	14676	CB	ALA G 8	57	29.203	81.239	84.556	1.00 62.28	G
ATOM ATOM	14677 14678	C 0	ALA G 86		29.664 29.844	81.244	87.019 87.956	1.00 39.82	G G
ATOM	14679	N	ALA G 86		30.340	82.018 80.104	86.873	1.00 39.82 1.00 64.20	G
ATOM	14680	CA	ALA G 86		31.349	79.655	87.835	1.00 64.20	G
ATOM ATOM	14681 14682	CB C	ALA G 86		30.685 32.527	78.785 78.889	88.897 87.206	1.00 84.35	G G
MOTA	14683	0	ALA G 86	58	32.466	78.469	86.047	1.00 64.20	G
MOTA MOTA	14684 14685	N CA	ALA G 86		33.594 34.805	78.718 78.000	87.988 87.569	1.00 41.77 1.00 41.77	G G
ATOM	14686	СВ	ALA G 86		35.367	78.600	86.283	1.00 90.23	G
ATOM	14687	C	ALA G 86		35.849	78.076	88.692	1.00 41.77	G
MOTA MOTA	14688 14689	O N	ALA G 86 GLY G 87		37.059 35.357	78.037 78.165	88.460 89.919	1.00 41.77 1.00 56.34	G G
ATOM	14690	CA	GLY G 87		36.231	78.268	91.065	1.00 56.34	G
ATOM ATOM	14691 14692	C O	GLY G 87		35.805 36.219	79.529 79.789	91.785 92.918	1.00 56.34 1.00 56.34	G G
ATOM	14693	N	ALA G 87		34.957	80.309	91.114	1.00 42.45	Ğ
MOTA	14694	CA	ALA G 87		34.452	81.567	91.656	1.00 42.45	G
MOTA MOTA	14695 14696	CB CB	ALA G 87		35.491 33.166	82.675 81.952	91.471 90.947	1.00 45.12 1.00 42.45	G G
MOTA	14697	0	ALA G 87	71	32.849	81.396	89.901	1.00 42.45	G
ATOM ATOM	14698 14699	N CA	ARG G 87		32.423 31.186	82.894 83.356	91.523 90.907	1.00 72.53	G G
MOTA	14700	CB	ARG G 87	72	30.175	83.831	91.951	1.00 99.90	G
MOTA	14701 14702	CG CD	ARG G 87		29.530 28.335	82.738 83.297	92.771 93.520	1.00 99.90 1.00 99.90	G G
ATOM ATOM	14703	NE	ARG G 87		27.867	82.393	94.564	1.00 99.90	G
MOTA	14704	CZ	ARG G 87		26.840	82.654	95.365	1.00 99.90	G
ATOM ATOM	14705 14706	NH2	ARG G 87		26.174 26.484	83.790 81.787	95.237 96.300	1.00 99.90 1.00 99.90	G G
MOTA	14707	C	ARG G 87	12	31.537	84.523	90.013	1.00 72.53	G
ATOM ATOM	14708 14709	N O	ARG G 87		31.968 31.359	85.567 84.354	90.486 88.716	1.00 72.53 1.00 73.46	G G
ATOM	14710	ĈA	LEU G 87		31.680	85.439	87.819	1.00 73.46	G
MOTA MOTA	14711 14712	CB CG	LEU G 87		32.598 34.004	84.952 84.542	86.700 87.138	1.00 57.59 1.00 57.59	G G
ATOM	14713		LEU G 87		34.852	84.271	85.905	1.00 57.59	G
ATOM	14714		LEU G 87		34.630	85.650	87.992	1.00 57.59	G
ATOM ATOM	14715 14716	С 0	LEU G 87		30.432 29.363	86.051 85.435	87.228 87.225	1.00 73.46 1.00 73.46	G G
MOTA	14717	N	ALA G 87		30.575	87.282	86.751	1.00 62.33	G
ATOM ATOM	14718 14719	CA CB	ALA G 87		29.479 29.407	87.987 89.417	86.123 86.637	1.00 62.33 1.00 62.14	G G
ATOM	14720	С	ALA G 87	4	29.782	87.953	84.628	1.00 62.33	G
MOTA MOTA	14721 14722	O N	ALA G 87		29.227 30.680	88.717 87.045	83.849 84.253	1.00 62.33	G G
ATOM	14723	CA	THR G 87		31.112	86.818	82.868	1.00 40.57	- G
ATOM	14724 14725	CB OG1	THR G 87		31.813 32.990	85.428 85.409	82.741 83.556	1.00 78.23 1.00 78.23	G G
ATOM ATOM	14726	CG2	THR G 87		32.212	85.131	81.315	1.00 78.23	G
MOTA	14727	C	THR G 87		29.948	86.861	81.886	1.00 40.57	G
ATOM ATOM	14728 14729	O N	THR G 87		28.846 30.205	87.262 86.438	82.222 80.661	1.00 40.57 1.00 47.09	G G
ATOM	14730	CA	ASN G 87	16	29.192	86.416	79.624	1.00 47.09	G
MOTA MOTA	14731 14732	CB CG	ASN G 87		29.488 30.792	87.478 87.228	78.578 77.851	1.00100.07	G G
MOTA	14733	OD1	ASN G 87		31.873	87.593	78.325	1.00100.07	G
ATOM	14734 14735	ND2			30.697 29.251	86.590	76.694	1.00100.07	G
ATOM ATOM	14736	0	ASN G 97 ASN G 87		30.336	85.051 84.540	78.976 78.681	1.00 47.09 1.00 47.09	G G
ATOM	14737	N	PRO G 87		28.083	84.452	78.712	1.00 53.32	G
MOTA MOTA	14738 14739	CD CA	PRO G 87		26.804 28.090	85.134 83.125	78.457 78.092	1.00 94.03 1.00 53.32	G G
ATOM	14740	CB	PRO G 87	17	26.705	83.034	77.453	1.00 94.03	G
ATOM ATOM	14741 14742	CG C	PRO G 87		26.351 29.217	84.459 83.031	77.194 77.086	1.00 94.03 1.00 53.32	G G
ATOM	14743	o o	PRO G 87		30.053	82.135	77.154	1.00 53.32	G
MOTA	14744	N C?	GLY G 87		29.258	84.000	76.183	1.00 84.36	G
MOTA MOTA	14745 14746	CA C	GLY G 87 GLY G 87		30.290 31.708	84.016 83.835	75.166 75.671	1.00 84.36 1.00 84.36	G G

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                                                                 1.00
                                                                        5.07
 ATOM
                                     47.910
        15029
                CG2 VAL G 915
                                              83.243
                                                        68.808
                                                                 1.00
                                                                        5.07
                                                                                   G
 ATOM
        15030
                C
                    VAL G 915
                                     50.916
                                              83.009
                                                        71.033
                                                                 1.00
                                                                      25.52
                                                                                   G
        15031
                    VAL G 915
 ATOM
                0
                                     51.476
                                              81.961
                                                        71.340
                                                                 1.00
                                                                      25.52
                                                                                   G
 ATOM
        15032
               N
                    TYR G 916
                                     51.542
                                              84.184
                                                       70.996
                                                                 1.00 41.66
                                                                                   G
 ATOM
        15033
                CA
                    TYR G 916
                                     52,948
                                              84.275
                                                       71.378
                                                                 1.00
                                                                      41.66
 ATOM
        15034
                CB
                    TYR G 916
                                     53.486
                                              85.711
85.896
                                                                 1.00 18.15
                                                       71.262
                                                                                   G
 ATOM
        15035
                    TYR G 916
                CG
                                     54.914
                                                       71.781
                                                                1.00 18.15
 ATOM
       15036
                CD1
                    TYR G 916
                                     55.974
                                                       70.913
                                              86.157
                                                                1.00 18.15
                                                                                   G
 ATOM
       15037
               CE1
                    TYR G 916
                                     57.285
                                              86.297
                                                       71.395
                                                                1.00
                                                                      18.15
                                                                                   G
                   TYR G 916
TYR G 916
ATOM
       15038
               CD2
                                     55.200
                                              85.786
                                                       73.140
                                                                1.00
                                                                      18.15
                                                                                   G
ATOM
       15039
               CE2
                                     56.496
                                              85.919
                                                       73.630
                                                                1.00
                                                                      18.15
                                                                                  G
ATOM
                    TYR G 916
       15040
               CZ
                                     57.538
                                              86.171
                                                       72.763
                                                                1.00
                                                                                  G
ATOM
       15041
                    TYR G 916
               ОН
                                     58.823
                                              86.266
                                                       73.280
                                                                1.00 18.15
                                                                                  G
ATOM
       15042
                    TYR G 916
                                     53.050
                                              83.806
                                                       72.821
                                                                1.00
                                                                      41.66
ATOM
       15043
               0
                    TYR G 916
                                     53.426
                                              82.667
                                                       73.069
73.771
                                                                1.00
                                                                      41.66
       15044
ATOM
               N
                    GLN G 917
                                     52.703
                                              84.676
                                                                1.00
                                                                      94.98
                                                                                  G
       15045
                    GLN G 917
ATOM
               CA
                                     52.781
                                              84.323
                                                       75.190
                                                                1.00
                                                                      94.98
                                                                                  G
                    GLN G 917
MOTA
       15046
               CB
                                     52.465
                                              85.554
                                                       76.079
                                                                1.00
                                                                      67.42
                                                                                  G
                    GLN G 917
ATOM
       15047
               CG
                                     53.678
                                              86.529
                                                       76.295
                                                                1.00
                                                                      67.42
                                                                                  G
ATOM
       15048
               CD
                    GLN G 917
                                     53.314
                                              88.045
                                                       76.339
                                                                1.00
                                                                                  G
ATOM
       15049
                    GLN G 917
                                     52.847
               OE1
                                              88.618
                                                       75.348
                                                                1.00
                                                                      67.42
                                                       77.488
75.512
ATOM
       15050
               NE2
                    GLN G 917
                                     53.550
                                              88.686
                                                                1.00
                                                                      67.42
       15051
ATOM
                    GLN G 917
                                     51.868
                                              83.138
                                                                1.00
                                                                      94.98
                                                                                  G
                    GLN G 917
       15052
MOTA
               O
                                     51.292
                                              83.059
                                                       76.591
                                                                      94.98
                                                                1.00
                                                                                  G
                    ALA G 918
ATOM
       15053
                                     51.762
               N
                                              82.230
                                                       74.539
                                                                1.00
                                                                      30.48
                                                                                  G
ATOM
       15054
                    ALA G 918
               CA
                                     50.991
                                              80.982
                                                       74.599
                                                                1.00
                                                                      30.48
                    ALA G 918
ATOM
       15055
               СВ
                                     49.742
                                              81.064
79.961
                                                       73.747
                                                                1.00
                                                                      23.16
MOTA
       15056
                    ALA G 918
                                     51.932
                                                       73.990
                                                                1.00
                                                                      30.48
                                     52.021
ATOM
       15057
               o
                    ALA G 918
                                              78.815
                                                       74.432
                                                                1.00
                                                                      30.48
ATOM
                   PHE G 919
PHE G 919
       15058
               N
                                    52.609
                                              80.417
                                                       72.941
                                                                1.00
                                                                      37.87
                                                                                  G
ATOM
       15059
               CA
                                    53.592
                                              79.652
                                                       72.190
                                                                1.00
                                                                      37.87
                                                                                  G
ATOM
       15060
               CB
                   PHE G 919
                                    54.153
                                              80.561
                                                       71.071
                                                                1.00
                                                                      25.21
ATOM
       15061
                    PHE G 919
                                    55,256
                                              79.952
                                                       70.220
                                                                1.00
                                                                      25.21
ATOM
       15062
               CD1
                   PHE G 919
                                     55.259
                                              80.153
                                                       68.837
                                                                1.00
                                                                      25.21
ATOM
       15063
               CD2
                   PHE G 919
                                     56.339
                                              79.281
                                                       70,789
                                                                1.00
                                                                     25.21
                                                                                  G
                   PHE G 919
PHE G 919
ATOM
       15064
               CE1
                                    56.315
                                              79.708
                                                       68.042
                                                                1.00
                                                                     25.21
ATOM
       15065
               CE<sub>2</sub>
                                    57.398
                                             78.835
                                                       69.996
                                                                1.00
                                                                     25.21
                                                                                  G
ATOM
       15066
               CZ
                   PHE G 919
                                    57.378
                                             79.053
                                                       68.621
                                                                1.00
                                                                     25.21
                                                                                  G
ATOM
       15067
               С
                   PHE G 919
                                             79.222
78.097
80.101
                                    54.651
                                                       73.205
                                                                     37.87
                                                                1.00
                                                                                  G
                   PHE G 919
ATOM
       15068
                                    54.606
                                                      73.685
73.573
                                                                     37.87
                                                                1.00
ATOM
       15069
               N
                   LEU G 920
                                    55.574
                                                                1.00 31.15
ATOM
       15070
               CA
                   LEU G 920
                                    56.598
                                             79.696
                                                      74.525
                                                                1.00
                                                                     31.15
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ATOM
       15071
               CB
                   LEU G 920
                                    57.518
                                             80.859
                                                       74.885
                                                                1.00
                                                                     50.94
                                                                                  G
       15072
ATOM
               CG
                   LEU G 920
                                    56.924
                                             82.240
                                                      75.111
                                                                1.00
                                                                     50.94
                                                                                  G
                                    57.982
ATOM
       15073
               CD1
                   LEU G 920
                                             83.180
                                                      75.653
                                                                1.00 50.94
                                                                                  G
ATOM
       15074
               CD2
                   LEU G 920
                                    56.404
                                             82.757
                                                      73.793
                                                                1.00 50.94
                                                                                  G
ATOM
       15075
                   LEU G 920
                                    56,000
                                             79.114
                                                      75.794
                                                                1.00 31.15
ATOM
       15076
               0
                   LEU G 920
                                    56.715
                                             78.559
                                                      76.637
                                                                1.00 31.15
ATOM
       15077
              N
                   ARG G 921
                                    54.685
                                             79.234
                                                      75.929
                                                                1.00 42.43
ATOM
       15078
                   ARG G 921
                                    54.004
                                             78.695
                                                      77.096
                                                                1.00 42.43
ATOM
       15079
              CB
                   ARG G 921
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                                             79.392
                                                      77.284
                                                               1.00100.07
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ATOM
      15080
              CG
                   ARG G 921
                                    52.771
                                             80.890
                                                      77.390
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                                                                                  G
MOTA
      15081
              CD
                   ARG G 921
                                    52.866
                                                      78.826
                                                               1.00100.07
                                             81.362
                                                                                  G
ATOM
      15082
                                             82.782
              NE
                   ARG G 921
                                    52.538
                                                      78.913
                                                               1.00100.07
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MOTA MOTA MOTA	15083 15084 15085 15086		ARG G	921 921 921	52.284 52.324 51.970 53.766	83.419 82.764 84.705 77.206	80.048 81.201 80.027 76.911	1.00100.07 1.00100.07 1.00100.07 1.00 42.43	G G G
ATOM ATOM ATOM ATOM	15087 15088 15089 15090	O N CA CB	LEU G	921 922 922 922	53.982 53.327 53.030 51.512	76.419 76.838 75.451 75.287	77.827 75.710 75.361 75.270	1.00 42.43 1.00 44.04 1.00 44.04 1.00 7.34	G G G
ATOM ATOM ATOM ATOM	15091 15092 15093 15094			922 922 922 922	50.720 49.227 50.944 53.686	76.050 76.146 75.348 75.135	76.343 76.025 77.636 74.010	1.00 7.34 1.00 7.34 1.00 7.34 1.00 44.04	G G G
ATOM ATOM ATOM ATOM	15095 15096 15097 15098	O N CA C	GLY G	922 923 923 923	53.556 54.387 55.075 54.411	75.902 74.010 73.648 73.979	73.063 73.922 72.687 71.358	1.00 44.04 1.00 72.53 1.00 72.53 1.00 72.53	G G G
ATOM ATOM ATOM ATOM	15099 15100 15101 15102	O N CA CB	MET G	923 924 924 924	53.186 55.218 54.697 55.687	74.029 74.200 74.513 74.157	71.275 70.317 68.986 67.886	1.00 72.53 1.00 43.18 1.00 43.18 1.00 30.36	G G G
ATOM ATOM ATOM MOTA	15103 15104 15105 15106	CG SD CE C	MET G MET G	924 924 924 924	56.921 57.814 58.292 53.456	74.996 74.652 72.974 73.710	67.850 66.340 66.643 68.722	1.00 30.36 1.00 30.36 1.00 30.36 1.00 43.18	G G G
ATOM ATOM ATOM ATOM	15107 15108 15109 15110	O N CA CB	MET G GLU G GLU G	924 925 925 925	52.382 53.618 52.511 52.806	74.271 72.387 71.489 70.096	68.488 68.755 68.506 69.053	1.00 43.18 1.00 32.52 1.00 32.52 1.00100.07	G G G
ATOM ATOM ATOM ATOM	15111 15112 15113 15114	CG CD OE1 OE2	GLU G GLU G	925 925 925 925	53.470 54.402 55.204 54.346	70.084 68.905 68.695 68.197	70.392 70.528 69.595 71.556	1.00100.07 1.00100.07 1.00100.07 1.00100.07	G G G
ATOM ATOM ATOM ATOM	15115 15116 15117 15118	C O N CA			51.262 50.353 51.215 50.027	72.061 72.475 72.129 72.672	69.131 68.417 70.453 71.076	1.00 32.52 1.00 32.52 1.00 40.61 1.00 40.61	G G G
MOTA MOTA MOTA MOTA	15119 15120 15121 15122	CB CD CE	LYS G LYS G	926 926 926	50.277 50.375 50.031 49.978	72.984 71.727 71.990 70.696	72.542 73.363 74.803 75.601	1.00 81.62 1.00 81.62 1.00 81.62 1.00 81.62	G G G
ATOM ATOM ATOM	15123 15124 15125 15126	NZ C O N	LYS G THR G	926 926 927	49.600 49.543 48.554 50.244	70.913 73.898 73.813 75.017	77.033 70.320 69.606 70.428	1.00 81.62 1.00 40.61 1.00 40.61 1.00 44.70	6 6 6 6
ATOM ATOM ATOM ATOM ATOM	15127 15128 15129 15130 15131	CA CB OG1 CG2 C	THR G	927 927	49.823 50.993 51.706 50.491 49.076	76.226 77.101 77.460 78.360 75.949	69.733 69.374 70.559 68.687 68.435	1.00 44.70 1.00 25.61 1.00 25.61 1.00 25.61 1.00 44.70	G G G G
ATOM ATOM ATOM ATOM	15132 15133 15134 15135	O N CA CB	THR G ALA G ALA G	927	47.968 49.688 49.064 49.713	76.455 75.160 74.817 73.564	68.237 67.548 66.265 65.653	1.00 44.70 1.00 38.44 1.00 38.44 1.00 10.51	G G G
ATOM ATOM ATOM ATOM	15136 15137 15138 15139	C O N CA	ALA G ALA G ARG G	928	47.605 46.722 47.358 45.999	74.551 75.151 73.650 73.341	66.551 65.946 67.491 67.846	1.00 38.44 1.00 38.44 1.00 18.89 1.00 18.89	G G G
MOTA MOTA MOTA MOTA	15140 15141 15142 15143	CB CG CD NE	ARG G ARG G ARG G ARG G	929 929 929	45.953 46.502 46.388 46.770	72.464 71.090 70.151 68.804	69.094 68.814 69.983 69.571	1.00 93.16 1.00 93.16 1.00 93.16 1.00 93.16	G
MOTA MOTA ATOM ATOM	15144 15145 15146 15147	CZ NH1 NH2 C	ARG G ARG G ARG G	929 929	46.714 46.293 47.059 45.277	67.734 67.855 66.541 74.659	70.355 71.608 69.880 68.051	1.00 93.16 1.00 93.16 1.00 93.16 1.00 18.89	G G G
ATOM ATOM ATOM ATOM ATOM	15148 15149 15150 15151 15152	O N CA CB CG	ARG G LEU G LEU G LEU G	930 930 930	44.634 45.393 44.728 45.461 44.855	75.137 75.259 76.529 77.304 78.623	67.134 69.230 69.493 70.597 71.112	1.00 18.89 1.00 27.41 1.00 27.41 1.00 41.94 1.00 41.94	9999
ATOM ATOM ATOM ATOM	15153 15154 15155 15156	CD1	LEU G LEU G	930 930 930	45.141 43.364 44.676 43.660	79.778 78.440 77.370 78.003	70.179 71.280 68.220 67.937	1.00 41.94 1.00 41.94 1.00 27.41 1.00 27.41	G G G
ATOM ATOM ATOM ATOM	15157 15158 15159 15160	N CA CB CG	LEU G LEU G	931	45.764 45.830 47.185 48.025	77.369 78.134 77.897 79.122	67.453 66.204 65.530 65.193	1.00 19.20 1.00 19.20 1.00 16.34 1.00 16.34	G G G
ATOM ATOM ATOM ATOM ATOM	15161 15162 15163 15164 15165		LEU G LEU G LEU G ASP G	931 931 931	47.242 48.402 44.707 44.128 44.433	80.021 79.843 77.660 78.420 76.371	64.251 66.472 65.281 64.503 65.383	1.00 16.34 1.00 16.34 1.00 19.20 1.00 19.20 1.00 53.43	99999
MOTA	15166	CA	ASP G		43.397	75.713	64.619	1.00 53.43	G

ATOM	15167	СВ	ASP G	937	43.775	74.250	64.423	1.00 40.48	G
ATOM	15168	CG	ASP G		44.188	73.955	63.011	1.00 40.48	
ATOM	15169		ASP G		43.355	74.213	62.112	1.00 40.48	G
ATOM	15170	OD2			45.327	73.476	62.793	1.00 40.48	G G
ATOM	15171	C	ASP G		42.072	75.819	65.369	1.00 53.43	G
ATOM	15172	õ	ASP G		41.074	76.311	64.831	1.00 53.43	G
ATOM	15173	N	ALA G		42.073	75.349	66.614	1.00 22.75	G
ATOM	15174	CA	ALA G		40.893	75.395	67.454	1.00 22.75	G
ATOM	15175	CB	ALA G		41.297	75.350	68.898	1.00 12.60	G
MOTA	15176	C	ALA G		40.165	76.684	67.171	1.00 22.75	G
ATOM	15177	ŏ	ALA G		38.956	76.676	66.996	1.00 22.75	G
MOTA	15178	N	LEU G		40.927	77.780	67.100	1.00 45.10	G
ATOM	15179	CA	LEU G		40.403	79.126	66.848	1.00 45.10	G
ATOM	15180	CB	LEU G		41.485	80.172	67.078	1.00 43.10	G
ATOM	15181	CG	LEU G		41.968	80.342	68.516	1.00 14.64	G
ATOM	15182		LEU G		43.095	81.362	68.574	1.00 14.64	G
MOTA	15183	CD2			40.816	80.784	69.368	1.00 14.64	
ATOM	15184	C	LEU G		39.798	79.375	65.477	1.00 45.10	G G
ATOM	15185	Ö	LEU G		38.682	79.871	65.375	1.00 45.10	G
ATOM	15186	N	LYS G		40.522	79.059			
ATOM	15187						64.416	1.00 40.13	G
		CA	LYS G		39.971	79.296	63.092	1.00 40.13	G
ATOM	15188	CB	LYS G		40.876	78.716	62.011	1.00 64.39	G
ATOM	15189	CG			40.839	77.215	61.933	1.00 64.39	G
ATOM	15190 15191	CD	LYS G		40.838	76.780	60.499	1.00 64.39	G
ATOM		CE	LYS G		40.732	75.284	60.400	1.00 64.39	G
ATOM	15192	NZ	LYS G		40.455	74.896	58.997	1.00 64.39	G
MOTA	15193	C	LYS G		38.576	78.692	62.951	1.00 40.13	G
ATOM	15194	0	LYS G		37.656	79.356	62.482	1.00 40.13	G
MOTA	15195	N	TYR G		38.409	77.439	63.360	1.00 53.66	G
ATOM	15196	CA	TYR G		37.106	76.798	63.246	1.00 53.66	G
ATOM	15197	CB	TYR G		37.117	75.442	63.948	1.00 52.88	G
MOTA	15198	CG	TYR G		35.804	74.667	63.921	1.00 52.88	G
ATOM	15199	CD1			35.735	73.373	64.450	1.00 52.88	G
ATOM	15200	CE1	TYR G		34.535	72.653	64.468	1.00 52.88	G
ATOM	15201	CD2			34.634	75.220	63.408	1.00 52.88	G
MOTA	15202	CE2	TYR G		33.432	74.509	63.426	1.00 52.88	G
MOTA	15203	CZ	TYR G		33.391	73.231	63.955	1.00 52.88	G
ATOM	15204	OH	TYR G		32.210	72.528	63.975	1.00 52.88	G
MOTA	15205	C	TYR G		36.028	77.684	63.846	1.00 53.66	G
ATOM	15206	0	TYR G		35.275	78.339	63.114	1.00 53.66	G
MOTA	15207	N	TYR G		35.952	77.704	65.175	1.00 79.97	G
MOTA	15208	CA	TYR G		34.948	78.511	65.855	1.00 79.97	G
ATOM	15209	CB	TYR G		35.297	78.656	67.337	1.00 58.88	G
MOTA	15210	CG	TYR G		35.137	77.356	68.078	1.00 58.88	G
ATOM	15211	CD1			35.983	76.282	67.812	1.00 58.88	G
ATOM	15212	CE1			35.814	75.042	68.444	1.00 58.88	G
MOTA	15213	CD2	TYR G		34.110	77.171	68.999	1.00 58.88	G
ATOM	15214	CE2	TYR G		33.927	75.936	69.640	1.00 58.88	G
MOTA	15215	CZ	TYR G		34.787	74.875	69.354	1.00 58.88	G
ATOM	15216	ОН	TYR G		34.642	73.650	69.968	1.00 58.88	G
ATOM	15217	С	TYR G		34.828	79.871	65.187	1.00 79.97	G
MOTA	15218	0	TYR G		33.725	80.382	64.967	1.00 79.97	G
ATOM	15219	N	GLY G		35.973	80.443	64.839	1.00 60.21	G
MOTA	15220	CA	GLY G		35.968	81.729	64.177	1.00 60.21	G
MOTA	15221	C	GLY G		35.047	81.722	62.974	1.00 60.21	G
ATOM	15222	0	GLY G		34.048	82.439	62.948	1.00 60.21	G
MOTA	15223	N	PHE G		35.355	80.896	61.981	1.00 22.71	G
ATOM	15224	CA	PHE G		34.525	80.871	60.785	1.00 22.71	G
MOTA	15225	CB	PHE G		35.062	79.868	59.746	1.00 18.06	G
ATOM	15226	CG	PHE G		36.390	80.246	59.161		. G
MOTA	15227		PHE G		37.567	79.921	59.810	1.00 18.06	G
MOTA	15228	CD2	PHE G		36.458	80.922	57.963	1.00 18.06	G
ATOM	15229		PHE G		38.784	80.272	59.281	1.00 18.06	G
MOTA	15230	CE2			37.664	81.276	57.430	1.00 18.06	G
MOTA	15231	CZ	PHE G		38.832	80.947	58.086	1.00 18.06	G
ATOM	15232	C	PHE G		33.061	80.556	61.075	1.00 22.71	G
MOTA	15233	0	PHE G		32.180	81.354	60.726	1.00 22.71	G
ATOM	15234	N	THR G		32.811	79.403	61.705	1.00 35.31	G
MOTA	15235	CA	THR G		31.452	78.956	62.031	1.00 35.31	G
MOTA	15236	CB	THR G		31.456	77.814	63.039	1.00 78.82	G
ATOM	15237	OG1			32.338	76.790	62.585	1.00 78.82	G
MOTA	15238	CG2	THR G		30.050	77.241	63.201	1.00 78.82	G
MOTA	15239	C	THR G		30.625	80.062	62.652	1.00 35.31	G
ATOM	15240	0	THR G		29.586	80.471	62.107	1.00 35.31	G
MOTA	15241	N			31.090	80.505	63.820	1.00 73.58	G
ATOM	15242	CA	LEU G		30.459	81.576	64.574	1.00 73.58	G
MOTA	15243	CB	LEU G		31.392	82.061	65.672	1.00 25.16	G
ATOM	15244	CG	LEU G		31.250	81.452	67.062	1.00 25.16	G
MOTA	15245		LEU G		29.776	81.350	67.372	1.00 25.16	G
MOTA	15246		LEU G		31.904	80.101	67.142	1.00 25.16	G
ATOM	15247	C	LEU G		30.190	82.725	63.631	1.00 73.58	G
MOTA	15248	0	LEU G		29.045	83.129	63.422	1.00 73.58	G
ATOM	15249	N	SER G		31.274	83.254	63.082	1.00 23.90	G
MOTA	15250	ĊA	SER G	942	31.213	84.341	62.137	1.00 23.90	G

ATOM	15251	CB	SER G 942	32.423	84.280	61.226	1.00 9.16	G
ATOM	15252	OG	SER G 942	32.145		60.053	1.00 9.16	G
ATOM	15253	C	SER G 942	29.957		61.286	1.00 23.90	Ğ
ATOM	15254	0	SER G 942	29.270	85.257	61.076	1.00 23.90	G
MOTA	15255	N	THR G 943	29.669	83.049	60.799	1.00 44.02	G
ATOM	15256	CA	THR G 943	28.506		59.942	1.00 44.02	G
MOTA	15257	CB	THR G 943	28.489		59.420	1.00 26.04	G
MOTA	15258		THR G 943	29.828		59.195	1.00 26.04	G
ATOM	15259	CG2		27.722		58.120	1.00 26.04	G
MOTA	15260	C	THR G 943	27.185		60.665	1.00 44.02	G
MOTA MOTA	15261 15262	O N	THR G 943 THR G 944	26.441 26.913		60.358	1.00 44.02	G
MOTA	15263	CA	THR G 944	25.700		61.612 62.430	1.00 36.28 1.00 36.28	G G
ATOM	15264	CB	THR G 944	25.700		63.735	1.00 19.29	G
MOTA	15265	OG1		27.162		63.625	1.00 19.29	Ğ
ATOM	15266	CG2		24.817		64.017	1.00 19.29	Ğ
ATOM	15267	c	THR G 944	25.205		62.788	1.00 36.28	Ğ
ATOM	15268	0	THR G 944	24.009		62.693	1.00 36.28	G
ATOM	15269	N	SER G 945	26.124		63.216	1.00 25.97	G
MOTA	15270	CA	SER G 945	25.752	85.682	63.592	1.00 25.97	G
ATOM	15271	CB	SER G 945	26.934		64.278	1.00 73.26	G
MOTA	15272	OG	SER G 945	27.170		65.565	1.00 73.26	G
ATOM	15273	C	SER G 945	25.240		62.409	1.00 25.97	G
MOTA	15274	0	SER G 945	24.060		62.345	1.00 25.97	G
MOTA	15275	N	GLY G 946	26.112		61.462	1.00 46.19	G
ATOM	15276	CA	GLY G 946	25.679 26.517		60.330	1.00 46.19	G
MOTA	15277 15278	C	GLY G 946 GLY G 946			60.201	1.00 46.19	G
MOTA MOTA	15279	O N	ILE G 947	27.158 26.519		61.145 59.006	1.00 46.19 1.00 21.23	G G
MOTA	15280	CA	ILE G 947	27.273		58.712	1.00 21.23	G
ATOM	15281	CB	ILE G 947	28.714		58.350	1.00100.07	G
MOTA	15282	CG2		29.392		57.678	1.00100.07	Ğ
ATOM	15283	CG1		29.451		59.604	1.00100.07	Ğ
ATOM	15284	CD	ILE G 947	29.439		60.789	1.00100.07	Ğ
ATOM	15285	С	ILE G 947	26.529		57.501	1.00 21.23	G
ATOM	15286	0	ILE G 947	25.935		56.797	1.00 21.23	G
MOTA	15287	N	ILE G 948	26.520	92.456	57.228	1.00 20.15	G
ATOM	15288	CA	ILE G 948	25.756	92.875	56.059	1.00 20.15	G
MOTA	15289	CB	ILE G 948	24.259		56.375	1.00 82.40	G
MOTA	15290	CG2	ILE G 948	23.604		55.848	1.00 82.40	G
ATOM	15291	CG1		24.045		57.881	1.00 82.40	G
MOTA	15292	CD	ILE G 948	22.604	93.418	58.294	1.00 82.40	G
ATOM	15293	C	ILE G 948	26.082	94.186	55.377	1.00 20.15	G
ATOM	15294	0	ILE G 948	25.354	94.588	54.465	1.00 20.15	G
MOTA	15295	N CA	THR G 949	27.154	94.851	55,790	1.00 17.57	G
MOTA MOTA	15296 15297	CA CB	THR G 949 THR G 949	27.483 28.791	96.137 96.048	55.199 54.445	1.00 17.57 1.00 22.46	G G
ATOM	15298	OG1		29,784	95.482	55.309	1.00 22.46	G
ATOM	15299	CG2		29.243	97.433	54.029	1.00 22.46	Ğ
ATOM	15300	C	THR G 949	26.335	96.588	54.283	1.00 17.57	Ğ
ATOM	15301	ō	THR G 949	26.424	96.542	53.048	1.00 17.57	Ğ
MOTA	15302	N	ILE G 950	25.238	96.984	54.930	1.00 37.62	G
ATOM	15303	CA	ILE G 950	24.018	97.425	54.257	1.00 37.62	G
ATOM	15304	CB	ILE G 950	22.784		55.217	1.00100.07	G
MOTA	15305	CG2	ILE G 950	21.613	98.122	54.644	1.00100.07	G
ATOM	15306	CG1		22.406	95.891	55.496	1.00100.07	G
ATOM	15307	CD	ILE G 950	21.014	95.699	56.090	1.00100.07	G
ATOM ATOM	15308 15309	C O	ILE G 950 ILE G 950	24.083	98.854 99.681	53.726	1.00 37.62	G
ATOM	15310	N	GLY G 951	24.836 23.271	99.142	54.240 52.709	1.00 37.62 1.00 29.39	G G
ATOM	15311	CA	GLY G 951		100.478	52.154	1.00 29.39	G
ATOM	15312	C	GLY G 951		101.364	53.356	1.00 29.39	Ğ
MOTA	15313	0	GLY G 951		102.388	53.329	1.00 29.39	Ğ
ATOM	15314	N	ILE G 952		100.914	54.423	1.00 55.50	G
MOTA	15315	CA	ILE G 952	22.588		55.701	1.00 55.50	G
ATOM	15316	CB	ILE G 952	21.127	101.746	56.244	1.00 70.06	G
ATOM	15317	CG2	ILE G 952	21.077	102.844	57.304	1.00 70.06	G
MOTA	15318	CG1	ILE G 952	20.147		55.101	1.00 70.06	G
MOTA	15319	CD	ILE G 952		102.811	55.523	1.00 70.06	G
MOTA	15320	C	ILE G 952	23.429		56.793	1.00 55.50	G
ATOM	15321	Q	ILE G 952		101.575	57.269	1.00 55.50	G
MOTA	15322	N	ASP G 953	23.068	99.726	57.191	1.00 66.00	G
ATOM ATOM	15323 15324	CA CB	ASP G 953 ASP G 953	23.776 23.793	98.959 97.467	58.240 57.915	1.00 66.00	G G
MOTA	15324	CG	ASP G 953	22.908	96.648	58.834	1.00 60.15	G
ATOM	15326		ASP G 953	23.361	96.269	59.940	1.00 60.15	G
ATOM	15327	OD2	ASP G 953	21.750	96.384	58.445	1.00 60.15	G
MOTA	15328	C	ASP G 953	25.209	99.404	58.378	1.00 66.00	Ğ
ATOM	15329	ŏ	ASP G 953	26.112	98.706	57.932	1.00 66.00	Ğ
MOTA	15330	N	ALA G 954		100.549	59.026	1.00 33.02	Ğ
ATOM	15331	CA	ALA G 954	26.700	101.176	59.215	1.00 33.02	G
MOTA	15332	CB	ALA G 954		100.142	59.248	1.00100.07	G
MOTA	15333	C	ALA G 954		102.120	58.026	1.00 33.02	G
ATOM	15334	0	ALA G 954	26.660	101.750	56.874	1.00 33.02	G

ATOM 15336 CA ALA G 955 ATOM 15337 CB ALA G 955 ATOM 15338 C ALA G 955 ATOM 15338 C ALA G 955 ATOM 15339 O ALA G 955 ATOM 15339 O ALA G 955 ATOM 15340 N VAL G 956 ATOM 15341 CA VAL G 956 ATOM 15342 CB VAL G 956 ATOM 15342 CB VAL G 956 ATOM 15343 CG1 VAL G 956 ATOM 15343 CG1 VAL G 956 ATOM 15344 CG2 VAL G 956 ATOM 15345 C VAL G 956 ATOM 15346 O VAL G 956 ATOM 15346 O VAL G 956 ATOM 15347 N ILE G 957 ATOM 15349 CB ILE G 957 ATOM 15349 CB ILE G 957 ATOM 15345 C ILE G 957 ATOM 15345 CB ILE G 957 ATOM 15350 CG2 ILE G 957 ATOM 15351 CG1 ILE G 957 ATOM 15355 CD ILE G 957 ATOM 15360 CD PRO G 958 ATOM 15360	000000000000000000000000000000000000000
ATOM 15361 O PRO G 958 25.352 113.644 60.925 1.00 30.76 ATOM 15362 N GLU G 959 23.583 113.452 62.310 1.00 66.33 ATOM 15363 CA GLU G 959 22.996 114.710 61.865 1.00 66.33	G G G
ATOM 15365 CG GLU G 959 20.767 114.172 63.094 1.00 83.69 ATOM 15366 CD GLU G 959 19.574 114.326 62.159 1.00 83.69 ATOM 15367 OE1 GLU G 959 19.132 115.470 61.907 1.00 83.69	G G G G
ATOM 15369 C GLU G 959 24.165 115.682 61.950 1.00 66.33 ATOM 15370 O GLU G 959 24.290 116.612 61.147 1.00 66.33 ATOM 15371 N GLU G 960 25.030 115.418 62.932 1.00 44.62	G G G
ATOM 15372 CA GLU G 960 26.213 116.225 63.206 1.00 44.62 ATOM 15373 CB GLU G 960 27.166 115.471 64.120 1.00 41.47 ATOM 15374 CG GLU G 960 26.551 115.152 65.456 1.00 41.47 ATOM 15375 CD GLU G 960 27.587 114.720 66.454 1.00 41.47	G G G
ATOM 15376 OE1 GLU G 960 28.651 115.366 66.468 1.00 41.47 ATOM 15377 OE2 GLU G 960 27.348 113.756 67.224 1.00 41.47 ATOM 15378 C GLU G 960 26.964 116.706 61.989 1.00 44.62 ATOM 15379 O GLU G 960 27.533 117.794 62.014 1.00 44.62	G G G
ATOM 15380 N LYS G 961 26.981 115.913 60.922 1.00 61.28 ATOM 15381 CA LYS G 961 27.679 116.365 59.730 1.00 61.28 ATOM 15382 CB LYS G 961 27.333 115.517 58.505 1.00100.07	6 6 6
ATOM 15384 CD LYS G 961 27.824 115.079 56.045 1.00100.07 ATOM 15385 CE LYS G 961 28.768 115.401 54.889 1.00100.07 ATOM 15386 NZ LYS G 961 28.351 114.749 53.617 1.00100.07	G G G
ATOM 15388 O LYS G 961 27.934 118.661 59.104 1.00 61.28 ATOM 15389 N GLN G 962 25.923 118.015 59.857 1.00 40.61 ATOM 15390 CA GLN G 962 25.352 119.334 59.726 1.00 40.61	9 9 9
ATOM 15391 CB GLN G 962 23.860 119.289 60.019 1.00 82.10 ATOM 15392 CG GLN G 962 23.047 118.931 58.791 1.00 82.10 ATOM 15393 CD GLN G 962 21.593 118.692 59.117 1.00 82.10 ATOM 15394 OE1 GLN G 962 21.023 119.360 59.981 1.00 82.10	G G G G
ATOM 15395 NE2 GLN G 962 20.976 117.743 58.422 1.00 82.10 ATOM 15396 C GLN G 962 26.066 120.324 60.636 1.00 40.61 ATOM 15397 O GLN G 962 26.977 121.001 60.181 1.00 40.61 ATOM 15398 N ARG G 963 25.672 120.414 61.907 1.00 99.81	G G G
ATOM 15399 CA ARG G 963 26.314 121.351 62.845 1.00 99.81 ATOM 15400 CB ARG G 963 26.111 120.869 64.311 1.00 54.04 ATOM 15401 CG ARG G 963 27.109 121.385 65.386 1.00 54.04 ATOM 15402 CD ARG G 963 27.015 120.551 66.704 1.00 54.04	G G G
ATOM 15403 NE ARG G 963 28.264 120.514 67.491 1.00 54.04 ATOM 15404 CZ ARG G 963 28.413 119.893 68.669 1.00 54.04 ATOM 15405 NH1 ARG G 963 27.388 119.254 69.209 1.00 54.04 ATOM 15406 NH2 ARG G 963 29.586 119.902 69.307 1.00 54.04	G G G
ATOM 15407 C ARG G 963 27.806 121.557 62.514 1.00 99.81 ATOM 15408 O ARG G 963 28.276 122.695 62.493 1.00 99.81 ATOM 15409 N TYR G 964 28.536 120.474 62.223 1.00 59.83	G G G
ATOM 15410 CA TYR G 964 29.965 120.576 61.895 1.00 59.83 ATOM 15411 CB TYR G 964 30.638 119.264 61.920 1.00 96.05 ATOM 15412 CG TYR G 964 30.789 118.613 63.306 1.00 96.05 ATOM 15413 CD1 TYR G 964 29.684 118.133 64.006 1.00 96.05	<i>в</i> <i>в</i> <i>в</i>
ATOM 15414 CE1 TYR G 964 29.822 117.572 65.261 1.00 96.05 ATOM 15415 CD2 TYR G 964 32.042 118.517 63.908 1.00 96.05 ATOM 15416 CE2 TYR G 964 32.109 117.957 65.164 1.00 96.05 ATOM 15417 CZ TYR G 964 31.077 117.483 65.836 1.00 96.05 ATOM 15418 OH TYR G 964 31.223 116.901 67.077 1.00 96.05	6 6 6 6

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30.135 121.210
ATOM 15419
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               С
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MOTA
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59.629
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        15421
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ATOM
                                       29.207 121.483
 ATOM
        15422
                CA
                     LEU G 965
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                                                                    1.00 67.15
MOTA
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                CB
                     LEU G 965
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MOTA
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                CG
                     LEU G 965
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29.579 120.523
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                CD1
                     LEU G 965
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57.109
ATOM
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ATOM
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ATOM
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                     GLU G 966
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                     GLU G 966
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26.086 127.143
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57.928
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1.00 84.32
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ATOM
                CG
                     GLU G 966
        15433
                CD
ATOM
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                OE1 GLU G 966
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                                                                    1.00 84.32
ATOM
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                OE2 GLU G 966
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GLU G 967
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ATOM
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64.768
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1.00 91.99
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MOTA
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       15446
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                                                                    1.00 60.16
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                     ASP G 969
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MOTA
                CB
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                                                                    1.00100.07
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ATOM
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                                                                   1.00100.07
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ATOM
       15456
                OD1 ASP G 969
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1.00100.07
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55.206
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15460
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                    ARG G 970
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28.495 130.340
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57.998
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1.00 66.13
ATOM
               N
       15461
                     ARG G 970
ATOM
                CA
ATOM
       15462
                CB
                     ARG G 970
                                                                    1.00100.07
                                                          59.247
                                                                                        G
MOTA
       15463
                CG
                     ARG G 970
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                                                          60.461
                    ARG G 970
ARG G 970
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29.079 129.408
MOTA
       15464
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                                                          61.734
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                                                                   1.00100.07
1.00100.07
1.00100.07
ATOM
       15465
               NE
                                                          62.924
                                                                                        G
       15466
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ATOM
                     ARG G 970
                CZ
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       15467
               NH1 ARG G 970
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MOTA
                                                          64.336
                                                                                        G
ATOM
       15468
               NH2 ARG G 970
                                       29.377 128.928
                                                          65.151
                                                                    1.00100.07
MOTA
       15469
                     ARG G 970
                                       30.716 131.138
                                                          58.374
                                                                    1.00 66.13
                    ARG G 970
       15470
                Ω
ATOM
                                       31.054 132.200
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                                                                   1.00 66.13
       15471
                     LYS G 971
                                       31.466 130.488
32.777 130.973
MOTA
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1.00 35.90
               N
                                                          59,263
       15472
                CA
                    LYS G 971
                                                          59.666
ATOM
MOTA
       15473
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                     LYS G 971
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                                                                    1.00 88.31
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                                      32.571 130.325
33.108 129.475
32.252 129.658
MOTA
       15474
               CG
                    LYS G 971
LYS G 971
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                                                                    1.00 88.31
       15475
               CD
                                                                   1.00 88.31
1.00 88.31
ATOM
                                                          63.253
ATOM
       15476
                CE
                     LYS G 971
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MOTA
       15477
               NZ
                     LYS G 971
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                                                          65.659
                                                                    1.00 88.31
                                                                                        G
MOTA
       15478
               С
                     LYS G 971
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                                                          58.438
                                                                    1.00 35.90
       15479
15480
                    LYS G 971
LEU G 972
                                      34.901 130.803
33.015 130.839
MOTA
               O
N
                                                          58.554
                                                                    1.00 35.90
ATOM
                                                                   1.00 52.38
1.00 52.38
                                                          57.269
                                                                                       G
                                                          55.944
                    LEU G 972
                                       33.636 130.763
ATOM
       15481
               CA
MOTA
       15482
               СВ
                     LEU G 972
                                       32.990 129.654
                                                          55.100
                                                                    1.00 78.81
                                                                                        G
               CG LEU G 972
CD1 LEU G 972
CD2 LEU G 972
ATOM
       15483
                                       33.806 128.378
                                                          54.844
                                                                    1.00 78.81
                                      32.920 127.316
34.992 128.688
33.397 132.108
34.309 132.710
ATOM
ATOM
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ALA G 978
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ATOM ATOM	15589 15590	OD1	ASP G	986 986	43.716	134.381	47.743 46.928	1.00 70.09	G
ATOM	15591	С	ASP G	986	46.287	134.273	50.551	1.00 99.98	G G
MOTA MOTA	15592 15593	O N	ASP G ARG G	986 987	45.659 47.620	133.376	51.113	1.00 99.98 1.00 78.96	G G
ATOM	15594	CA	ARG G	987	48.476	133.318	51.150	1.00 78.96	G
ATOM ATOM	15595 15596	CB CG	ARG G ARG G	987 987	49.862 50.903		51.463 50.375	1.00100.07	G G
ATOM ATOM	15597 15598	CD NE	ARG G ARG G	987 987	52.304 53.366		50.976 50.014	1.00100.07	G G
ATOM	15599	CZ	ARG G	987	54.645	133.435	50.339	1.00100.07	G
MOTA MOTA	15600 15601	NH1	ARG G	987 987	55.033 55.541		51.604 49.398	1.00100.07	G G
MOTA MOTA	15602 15603	C O	ARG G		47.929 47.896		52.445 52.639	1.00 78.96 1.00 78.96	G G
MOTA	15604	N	GLU G	988	47.520	133.652	53.339	1.00 41.85	G
ATOM ATOM	15605 15606	CA CB	GLU G GLU G		47.013 47.095		54.639 55.617	1.00 41.85	G G
ATOM	15607	CG	GLU G	988	48.452	135.095	55.588	1.00100.07	G
MOTA MOTA	15608 15609	CD OE1		988	49.597 49.717	133.122	55.316 56.055	1.00100.07 1.00100.07	G G
ATOM ATOM	15610 15611	OE2 C	GLU G		50.375 45.598		54.364 54.541	1.00100.07 1.00 41.85	G G
ATOM	15612	0	GLU G	988	45.237	131.746	55.198	1.00 41.85	G
ATOM ATOM	15613 15614	N CA	ARG G		44.803 43.423		53.700 53.505	1.00 56.58 1.00 56.58	G G
ATOM ATOM	15615 15616	CB CG	ARG G ARG G	989 989	42.772 41.293		52.442 52.648	1.00 52.10 1.00 52.10	G G
ATOM	15617	CD	ARG G	989	40.804	135.169	51.789	1.00 52.10	G
ATOM ATOM	15618 15619	NE CZ	ARG G ARG G	989 989	39.617 39.570		51.032 50.172	1.00 52.10 1.00 52.10	G G
ATOM ATOM	15620 15621	NH1 NH2	ARG G ARG G	989 989	40.650 38.437		49.954 49.531	1.00 52.10 1.00 52.10	G G
MOTA	15622	C	ARG G	989	43.408	131.489	53.090	1.00 56.58	G
MOTA MOTA	15623 15624	N O	ARG G TYR G	989 990	42.542 44.366		53.521 52.248	1.00 56.58 1.00100.07	G G
ATOM ATOM	15625 15626	CA CB	TYR G	990 990	44.479 45.761		51.838 51.030	1.00100.07 1.00 89.18	G G
ATOM	15627	CG	TYR G	990	45.707	129.578	49.527	1.00 89.18	G
ATOM ATOM	15628 15629	CD1 CE1	TYR G TYR G	990 990	46.894 46.877		48.791 47.420	1.00 89.18	G G
MOTA MOTA	15630 15631	CD2 CE2	TYR G	990 990	44.493 44.464		48.842 47.461	1.00 89.18 1.00 89.18	G G
ATOM	15632	CZ	TYR G	990	45.661	129.981	46.762	1.00 89.18	G
ATOM ATOM	15633 15634	OH C		990 990	45.651 44.660		45.412 53.167	1.00 89.18	G G
ATOM ATOM	15635 15636	O N	TYR G ASP G	990 991	43.753 45.858	128.339 129.177	53.685 53.715	1.00100.07 1.00 45.67	G G
MOTA	15637	CA	ASP G	991	46.252	128.578	54.969	1.00 45.67	G
MOTA MOTA	15638 15639	CB CG	ASP G	991 991	47.458 48.608		55.530 54.544	1.00 54.88 1.00 54.88	G G
ATOM ATOM	15640 15641	OD1 OD2	ASP G	991 991	48.575 49.549	128.625 130.158	53.546 54.768	1.00 54.88 1.00 54.88	G G
ATOM	15642	С	ASP G	991	45.120	128.557	55.971	1.00 45.67	G
MOTA MOTA	15643 15644	N O	ASP G GLN G	991 992	45.107 44.161		56.872 55.801	1.00 45.67 1.00 54.42	G G
MOTA MOTA	15645 15646	CA CB	GLN G GLN G	992 992	43.008	129.534 130.937	56.695 56.637	1.00 54.42 1.00 66.37	G G
ATOM	15647	CG	GLN G	992	41.570	131.321	57.846	1.00 66.37	- G
ATOM ATOM	15648 15649	CD OE1		992	43.593	131.350 131.674	59.116 59.090	1.00 66.37 1.00 66.37	G G
MOTA MOTA	15650 15651	NE2 C	GLN G GLN G	992 992	41.767 41.978		60.241 56.234	1.00 66.37 1.00 54.42	G G
MOTA	15652	0	GLN G	992 993	41.833	127.442	56.825	1.00 54.42	G G
MOTA MOTA	15653 15654	N CA	VAL G	993	40.253	128.861 128.016	55.156 54.564	1.00 72.53 1.00 72.53	G
ATOM ATOM	15655 15656	CB CG1	VAL G VAL G			128.415 127.939	53.097 52.664	1.00 58.92 1.00 58.92	G G
MOTA MOTA	15657 15658	CG2 C	VAL G VAL G		40.129	129.928 126.552	52.932 54.619	1.00 58.92 1.00 72.53	G
MOTA	15659	0	VAL G	993	39.864	125.653	54.823	1.00 72.53	G G
ATOM ATOM	15660 15661	N CA	ILE G			126.321 124.975	54.432 54.484	1.00 34.12 1.00 34.12	G G
ATOM ATOM	15662 15663	CB CG2	ILE G	994	43.914	124.909 123.732	53.875 54.441	1.00 45.82 1.00 45.82	G G
ATOM	15664	CG1	ILE G	994	43.792	124.803	52.352	1.00 45.82	G
MOTA MOTA	15665 15666	CD	ILE G			125.269 124.555	51.567 55.931	1.00 45.82 1.00 34.12	G G
ATOM ATOM	15667 15668	O	ILE G GLN G	994	41.850	123.640 125.241	56.346 56.710	1.00 34.12 1.00 43.22	G G
ATOM	15669	CA	GLN G	995	43.482	124.900	58.114	1.00 43.22	G
ATOM	15670	СВ	GLN G	995	44.263	125.970	58.874	1.00100.07	G

ATOM	15671	CG	GLN	G 995	44.708	125.547	60.264	1.00100.07	,	G
ATOM	15672	CD	GLN			126.484	60.847	1.00100.07		G
ATOM	15673	OE1				127.669	61.077	1.00100.07		G
ATOM	15674	NE2			46.949		61.083	1.00100.07		G
ATOM ATOM	15675 15676	C	GLN	G 995 G 995	41.827	124.791 124.107	58.657 59.646	1.00 43.22 1.00 43.22		G G
ATOM	15677	N	LEU		41.134		58.010	1.00 48.66		G
ATOM	15678	CA		G 996	39.754		58.447	1.00 48.66		G
ATOM	15679	CB	LEU	G 996	38.888	126.424	57.714	1.00 24.68		G
ATOM	15680	CG		G 996		126.150	57.639	1.00 24.68		G
ATOM	15681			G 996	36.837		59.035	1.00 24.68		G
MOTA MOTA	15682 15683	CD2		G 996 G 996	36.665 39.283		56.951	1.00 24.68		G
ATOM	15684	Ö		G 996		123.394	58.119 58.999	1.00 48.66 1.00 48.66		3 3
MOTA	15685	N	TRP			123.751	56.835	1.00 24.05		\bar{g}
MOTA	15686	CA		G 997	38.561		56.387	1.00 24.05		3
MOTA	15687	CB	TRP		38.665	122.366	54.875	1.00 29.82	(3
ATOM	15688	CG	TRP			123.170	54.247	1.00 29.82	(
ATOM	15689	CD2	TRP		36.191		54.431	1.00 29.82		
ATOM ATOM	15690 15691	CE2	TRP TRP		35.557 35.398		53.649 55.179	1.00 29.82 1.00 29.82	(
ATOM	15692	CD1	TRP		37.769		53.395	1.00 29.82	2	
ATOM	15693	NE1				124.724	53.026	1.00 29.82	Č	
ATOM	15694	CZ2	TRP	G 997	34.158	124.143	53.591	1.00 29.82		3
MOTA	15695	CZ3	TRP		34.009		55.122	1.00 29.82		
ATOM	15696	CH2	TRP		33.405		54.331	1.00 29.82	9	
ATOM ATOM	15697 15698	C O	TRP	G 997 G 997	39.293 38.693		57.060 57.460	1.00 24.05	(
ATOM	15699	N	THR		40.596		57.206	1.00 24.05 1.00 38.79		
MOTA	15700	CA	THR		41.382		57.861	1.00 38.79	Č	
ATOM	15701	CB		G 998	42.862	120.874	57.908	1.00 75.07	Č	
MOTA	15702	OG1	THR	G 998	43.425	120.758	56.595	1.00 75.07	(3
MOTA	15703	CG2	THR		43.622	119.982	58.875	1.00 75.07	C	
MOTA	15704	C	THR		40.837	120.343	59.270	1.00 38.79		
MOTA MOTA	15705 15706	N O		G 998 G 999	40.408		59.682 59.996	1.00 38.79	(
ATOM	15707	CA	GLU		40.344		61.367	1.00 73.09	Č	
ATOM	15708	СВ		G 999	40.299		61.845	1.00 99.81	ō	
ATOM	15709	CG	GLU	G 999	39.789		63.261	1.00 99.81	(3
ATOM	15710	CD	GLU			124.002	64.107	1.00 99.81		
ATOM	15711		GLU		41.475	124.844	63.541	1.00 99.81	9	
ATOM	15712 15713	OE2		G 999 G 999	40.742	123.822	65.346 61.531	1.00 99.81 1.00 73.09	(
ATOM ATOM	15714	C O		G 999	38.788		62.447	1.00 73.09	à	
ATOM	15715	N		G1300	38.027		60.646	1.00 65.50	Č	
ATOM	15716	CA		G1000	36.699	120.503	60.761	1.00 65.50	(
ATOM	15717	CB		G1000	35.631		59.885	1.00 71.39		
ATOM	15718			G1000	34.366	120.555	60.007	1.00 71.39	(
MOTA MOTA	15719 15720	CG2 C		G1000 G1000	36.047 36.703	121.235 119.037	58.425 60.381	1.00 71.39 1.00 65.50	(
MOTA	15721	0		G1000	36.282	118.195	61.166	1.00 65.50	Č	
MOTA	15722	N		G1001	37.182		59.179	1.00 66.70	(
MOTA	15723	CA		G1001	37.227		58.693	1.00 66.70	(
MOTA	15724	CB		G1001	38.076	117.269	57.394	1.00 47.40		
MOTA MOTA	15725 15726	OG1 CG2		G1001	37.222 39.197	116.909	56.299	1.00 47.40		
ATOM	15727	C		G1001 G1001	37.749		57.530 59.745	1.00 47.40 1.00 66.70		
ATOM	15728	Ö		G1001		115.231	59.791	1.00 66.70	ò	
MOTA	15729	N		G1002		116.829	60.593	1.00 46.81	(3
ATOM	15730	CA		G1002		115.959	61.633	1.00 46.81	_ (
ATOM	15731	CB		G1002		116.615	62.348	1.00100.07		
ATOM ATOM	15732 15733	CG CD		G1002 G1002		116.709 117.150	61.514 62.328	1.00100.07		
ATOM	15734			G1002		118.224	62.969	1.00100.07	ò	
ATOM	15735			G1002		116.426	62.319	1.00100.07	à	
ATOM	15736	C	GLU	G1002	38.134	115.611	62.662	1.00 46.81	(3
MOTA	15737	0		G1002		114.632	63.394	1.00 46.81	(
ATOM	15738	N		G1003	37.067		62.713	1.00 54.21		
ATOM ATOM	15739 15740	CA CB		G1003 G1003	35.989	116.182 117.510	63.672 64.199	1.00 54.21 1.00 99.60	0	
ATOM	15741	CG		G1003		117.896	65.557	1.00 99.60	à	
ATOM	15742	CD		G1003		119.220	66.032	1.00 99.60	0	
MOTA	15743	CE	LYS	G1003	36.013	119.631	67.379	1.00 99.60	(3
MOTA	15744	NZ		G1003		121.010	67.719	1.00 99.60	0	
MOTA	15745	C		G1003		115.324	63.195	1.00 54.21	0	
MOTA MOTA	15746 15747	O N		G1003 G1004		114.388 115.623	63.880 62.040	1.00 54.21 1.00 13.25	0	
ATOM	15748	CA		G1004		114.798	61.574	1.00 13.25	0	
MOTA	15749	CB		G1004		115.080	60.144	1.00 15.23	Ġ	
MOTA	15750	CG1	VAL	G1004	31.309	114.716	59.982	1.00 5.22	G	3
ATOM	15751			G1004		116.540	59.778	1.00 5.22	G	
ATOM	15752	C		G1004		113.369	61.628	1.00 13.25	0	
ATOM ATOM	15753 15754	N O		G1004 G1005		112.434 113.216	61.689 61.593	1.00 13.25 1.00 29.83	0	
	20.04					_ ~			_	-

MOTA MOTA	15755 15756	CA CB	THR	G1005 G1005	37.144	111.912 112.039	61.692 61.555	1.00 29.83 1.00100.07	G G
MOTA MOTA	15757 15758	OG1 CG2		G1005 G1005		112.585	60.273 61.717	1.00100.07 1.00100.07	G G
ATOM	15759	C		G1005		111.397	63.102	1.00 29.83	G
ATOM	15760 15761	N O		G1005		110.461	63.302	1.00 29.83	G
ATOM ATOM	15762	CA		G1006 G1006		112.032 111.716	64.078 65.494	1.00 20.60	G G
MOTA	15763	CB	GLN	G1006	36.556	112.772	66.307	1.00 99.92	G
ATOM	15764 15765	CG CD		G1006		112.758	67.796 68.425	1.00 99.92 1.00 99.92	G
ATOM ATOM	15766	OE1		G1006 G1006	36.080		68.253	1.00 99.92	G G
MOTA	15767	NE2		G1006	37.862		69.142	1.00 99.92	G
MOTA MOTA	15768 15769	С 0		G1006 G1006	34.307 33 881	111.732 111.172	65.841 66.841	1.00 20.60	G G
ATOM	15770	N		G1007	33.515	112.382	64.995	1.00 31.60	Ğ
ATOM	15771	CA		G1007		112.492	65.198	1.00 31.60	G
ATOM ATOM	15772 15773	CB C		G1007 G1007	31.524 31.433		64.391 64.750	1.00 95.22 1.00 31.60	G G
MOTA	15774	0	ALA	G1007	31.092	110.357	65.563	1.00 31.60	G
MOTA	15775 15776	N CA		G1008		111.090	63.438	1.00 32.17	G
ATOM ATOM	15777	CB		G1008 G1J08	30.690 30.996	109.907 109.855	62.830 61.349	1.00 32.17	G G
ATOM	15778	CG1	VAL	G1008	30.366	108.621	60.752	1.00100.07	G
MOTA MOTA	15779 15780	CG2 C		G1008 G1008	30.492 31.239		60.679 63.446	1.00100.07 1.00 32.17	G G
ATOM	15781	Õ		G1008		107.653	63.636	1.00 32.17	G
ATOM	15782	N		G1009	32.524		63.762	1.00 59.69	G
ATOM ATOM	15783 15784	CA CB		G1009 G1009	33.172	107.490 107.590	64.340 64.169	1.00 59.69 1.00 53.76	G G
MOTA	15785	CG		G1009		106.286	63.850	1.00 53.76	Ğ
ATOM	15786			G1009	35.590		62.538	1.00 53.76	G
MOTA MOTA	15787 15788	CD2 CE1		G1009 G1009	35.663 36.169		64.860 62.234	1.00 53.76 1.00 53.76	G G
ATOM	15789	CE2	PHE	G1009	36.242	104.186	64.567	1.00 53.76	Ğ
MOTA	15790	CZ		G1009 G1009	36.497	103.849 107.332	63.250 65.815	1.00 53.76	G
MOTA MOTA	15791 15792	C O		G1009	33.252	107.332	66.432	1.00 59.69 1.00 59.69	G G
ATOM	15793	N		G1010	32.175	108.307	66.385	1.00 80.37	G
ATOM ATOM	15794 15795	CA CB		G1010 G1010	31.854 32.055	108.250 109.625	67.804 68.434	1.00 80.37	G G
MOTA	15796	CG		G1010	32.197	109.554	69.929	1.00100.07	G
ATOM	15797			G1010	31.345		70.613	1.00100.07	G
ATOM ATOM	15798 15799	C C		G1010 G1010	33.280	110.130 107.789	70.453 68.035	1.00100.07 1.00 80.37	G G
MOTA	15800	0	ASN	G1010	30.128	107.112	69.026	1.00 80.37	G
MOTA MOTA	15801 15802	N CA		G1011 G1011	29.553 28.143	108.163 107.822	67.100 67.167	1.00 51.35 1.00 51.35	G G
ATOM	15803	CB		G1011	27.463	108.003	65.807	1.00 24.43	G
MOTA	15804	CG		G1011	25.942		65.909	1.00 24.43	G
ATOM ATOM	15805 15806	ND2		G1011 G1011	25.399 25.249	107.794 108.052	67.008 64.771	1.00 24.43	G G
MOTA	15807	C	ASN	G1011	27.937	106.395	67.611	1.00 51.35	G
ATOM	15808 15809	O N		G1011 G1012	27.208 28.581		68.574 66.916	1.00 51.35 1.00 30.82	G G
ATOM ATOM	15810	CA		G1012	28.387	104.069	67.276	1.00 30.82	G
ATOM	15811	CB		G1012		103.118	66.144	1.00 83.90	G
MOTA MOTA	15812 15813	CG CD1		G1012 G1012	30.308	102.907 103.653	66.051 65.171	1.00 83.90 1.00 83.90	G G
ATOM	15814	CD2	PHE	G1012	30.931	101.937	66.830	1.00 83.90	_ G
ATOM ATOM	15815 15816	CE1		G1012 G1012		103.435	65.067 66.737	1.00 83.90	G G
ATOM	15817	CZ		G1012		102.460	65.854	1.00 83.90	G
MOTA	15818	C		G1012		103.703	68.600	1.00 30.82	G
ATOM ATOM	15819 15820	O N		G1012 G1013	30.165	102.904	69.36 4 68.918	1.00 30.82	G G
ATOM	15821	CA	GLU	G1013	30.805	103.951	70.170	1.00 19.23	G
MOTA MOTA	15822 15823	CB CG		G1013 G1013	31.945 32.981	104.902 104.239	70.523 71.434	1.00100.07	G G
ATOM	15824	CD		G1013		105.221	72.032	1.00100.07	G
ATOM	15825			G1013	33.603		72.980	1.00100.07	G
ATOM ATOM	15826 15827	OE2 C		G1013 G1013		105.269 103.928	71.552 71.303	1.00100.07 1.00 19.23	G G
ATOM	15828	0	GLU	G1013	29.998	103.259	72.307	1.00 19.23	G
ATOM	15829	N		G1014 G1014	28.682 27.668		71.136	1.00 57.43 1.00 57.43	G G
ATOM ATOM	15830 15831	CA CB		G1014	27.414		72.177 72.616	1.00 37.43	G
MOTA	15832	CG	GLU	G1014	28.679	106.924	72.770	1.00 99.43	G
ATOM ATOM	15833 15834	CD OE1		G1014 G1014	28.407 27.410		73.290 72.857	1.00 99.43	G G
MOTA	15835	OE2	GLU	G1014	29.200	108.785	74.126	1.00 99.43	G
ATOM	15836 15837	C 0		G1014 G1014		104.054 103.206	71.696 72.372	1.00 57.43 1.00 57.43	G G
ATOM ATOM	15838	N		G1014		104.493	70.543	1.00 74.08	G

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	16263	CA		G1074			7 113.474	43.815	1.00 48.50	
ATOM	16264	CB		G1074		8.648		44.576	1.00 72.4	
ATOM										
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MOTA	16266	C		G1074				42.924	1.00 48.50	
MOTA	16267	0		G1074		1.507		43.346	1.00 48.5	
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ATOM	16272	C		G1075		2.147		40.573	1.00 35.0	
ATOM	16273	0		G1075		2.787		40.087	1.00 35.0	
ATOM	16274	N		G1076		2.719		40.997	1.00 36.5	
ATOM	16275	CA	HIS	G1076	4	4.153	112.832	40.863	1.00 36.59	5 G
ATOM	16276	CB	HIS	G1076		4.486		41.179	1.00 57.34	
MOTA	16277	CG	HIS	G1076	4	3.813	115.252	40.263	1.00 57.34	
ATOM	16278	CD2	HIS	G1076	4	2.499	115.488	40.030	1.00 57.34	1 G
ATOM	16279	ND1	HIS	G1076	4	4.511	116.060	39.393	1.00 57.34	1 G
ATOM	16280	CE1	HIS	G1076	4	3.654	116.751	38.662	1.00 57.34	⊈ G
MOTA	16281	NE2	HIS	G1076	4	2.428	116.421	39.028	1.00 57.34	1 G
MOTA	16282	С	HIS	G1076	4	4.996	111.917	41.715	1.00 36.5	5 G
ATOM	16283	0		G1076		5.540		41.228	1.00 36.59	
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ATOM	16287	õ		G1077		6.477		43.428	1.00 47.0	
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	16290			G1078		2.358		42.848	1.00 81.23	
ATOM		CB				4.670				
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ATOM	16292	0		G1078		5.080		42.614	1.00 44.33	
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MOTA	16294	CA		G1079		5.866		40.278	1.00 30.23	
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ATOM	16296	CG		G1079		4.652		38.068	1.00 26.73	
ATOM	16297	CD		G1079		5.009		37.178	1.00 26.73	
ATOM	16298	NE	ARG	G1079		4.777		35.784	1.00 26.73	
ATOM	16299	CZ	ARG	G1079		5.529		35.108	1.00 26.71	
ATOM	16300	NH1	ARG	G1079	4	6.569	108.739	35.681	1.00 26.73	
ATOM	16301	NH2	ARG	G1079	4	5.213	108.479	33.875	1.00 26.73	L G
ATOM	16302	C	ARG	G1079	4	7.251	107.856	40.858	1.00 30.23	L G
ATOM	16303	0	ARG	G1079	4	7.695	106.941	41.527	1.00 30.23	l G
ATOM	16304	N	LYS	G1080	4	7.914	108.982	40.623	1.00 43.68	3 G
ATOM	16305	CA	LYS	G1080	4	9.268	109.212	41.125	1.00 43.68	3 G
ATOM	16306	CB		G1080	4	9.406	110.674	41.583	1.00 99.72	. G
ATOM	16307	CG	LYS	G1080	5	0.839	111.208	41.550	1.00 99.72	. G
ATOM	16308	CD		G1080		0.942		42.092	1.00 99.72	
ATOM	16309	CE		G1080	5	2.395	113.128	42.089	1.00 99.72	
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ATOM	16312	ō		G1080		0.712		42.199	1.00 43.68	
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ATOM	16314	CA		G1081		9.183		44.401	1.00 73.58	
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ATOM	16316	ō		G1081		9.663		44.664	1.00 73.58	
ATOM	16317	Ň		G1082			105.657	42.625	1.00 20.82	
ATOM	16318	CA		G1082			104.348	41.997	1.00 20.82	
ATOM	16319	C		G1082			104.328	40.936	1.00 20.82	
ATOM	16320	ō		G1082			103.380	40.146	1.00 20.82	
ATOM	16321	N		G1083			105.422	40.903	1.00 56.23	
ATOM	16322	CA		G1083			105.555	40.001	1.00 56.23	
ATOM	16323	CB		G1083			107.007	39.608	1.00 41.31	
ATOM	16324	C		G1083			105.034	40.859	1.00 56.23	
ATOM	16325	Ö		G1083			104.761	40.363	1.00 56.23	
ATOM	16325	N		G1084			104.701	42.163	1.00 49.26	
				G1084		3.929		43.086	1.00 49.26	
ATOM	16327	CA				3.510			1.00 99.92	
ATOM ATOM	16328 16329	CB CG		G1084 G1084			104.342	44.548 45.178	1.00 99.92	
									1.00 99.92	
ATOM	16330			G1084		5.339		44.995		
ATOM	16331			G1084			106.508	45.875	1.00 99.92	
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ATOM	16333	0		G1084			102.124	42.732	1.00 49.26	
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       16402
ATOM
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                                               99.906
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       16403
                    TYR G1094
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                                     69.682 101.515
ATOM
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               OH
                    TYR G1094
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                                                                 1.00 67.32
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                    TYR G1094
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46.222
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       16406
                    TYR G1094
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                                                                 1.00 44.83
                                                                                    G
G
ATOM
       16407
                    LEU G1095
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65.724
66.901
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49.760
50.019
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ATOM
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                    LEU G1095
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97.484
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1.00 79.21
                                                                                    G
ATOM
       16411
                   LEU G1095
               CD1
                                                                                    G
ATOM
       16412
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92.304
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                    THR G1096
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                                                        48.522
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                                                                       20.62
ATOM
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ATOM
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69.448
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ATOM
       16426
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24, E

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                     ARG G1097
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93.541
94.290
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                                       71.259
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1.00 42.11
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ATOM
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ATOM
       16435
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                CG
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ATOM
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NZ
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LYS G1098
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ATOM
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                                                          42.752
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                     LYS G1J98
ATOM
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1.00 27.56
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                                                93.514
                                                          48.844
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ATOM
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                CA
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                                                                   1.00 19.19
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16447
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ATOM
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ATOM
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ATOM
       16451
                     VAL G1100
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                CA
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MOTA
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16454
ATOM
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                    VAL G1100
VAL G1100
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89.170
ATOM
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                                                                   1.00 23.71
                                                                                      G
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ATOM
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                                                                                      G
MOTA
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73.392
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48.076
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1.00 90.08
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ATOM
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                                                89.918
                                                                                      G
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       16458
                CA
                    ASP G1101
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                                                89.856
                                                         47.456
                                                                   1.00 90.08
                                                                                      G
MOTA
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                СВ
                    ASP G1101
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                                                90.774
                                                         46.235
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                                                                        70.60
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ATOM
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                    ASP G1101
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               OD1
                    ASP G1101
ATOM
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                                                                   1.00 70.60
               OD2 ASP G1101
                                                                        70.60
ATOM
       16462
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                                                         44.116
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ATOM
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                                                                                      G
                    ASP G1101
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АТОМ
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       16464
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49.269
                                                                   1.00 90.08
                                                                                      G
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ATOM
       16465
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                                                                   1.00 37.65
                                                                                      G
ATOM
       16466
               CA
                    VAL G1102
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                                                                   1.00 37.65
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ATOM
       16467
               CB
                    VAL G1102
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                                                                                      G
                    VAL G1102
VAL G1102
                                      77.236
MOTA
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                                      76.509
       16469
                                                93.977
                                                                   1.00 32.78
ATOM
               CG2
                                                         49.175
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               Ċ
                    VAL G1102
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75.069
MOTA
       16470
                                                91.151
                                                         51.577
                                                                   1.00 37.65
                                                                                      G
       16471
                    VAL G1102
MOTA
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                                                                   1.00 37.65
                                                         52.245
                                                                                      G
       16472
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                                      76.238
MOTA
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                                                         51.907
                                                                   1.00 19.95
                                                                                      G
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               CA
                    ALA G1103
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                                                89.236
                                                         53.127
ATOM
                                                                   1.00 19.95
                                                                                      G
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87.723
                                                                          5.07
MOTA
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                    ALA G1103
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                                                         53.502
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                                      75.725
75.953
MOTA
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                    ALA G1103
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87.308
MOTA
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                    ALA G1103
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                                                                   1.00 19.95
                                                                                      G
                                      75.411
75.359
76.207
                                                         51.697
51.293
50.035
ATOM
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       16477
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                                                                   1.00 33.27
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MOTA
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                    HIS G1104
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85.700
                                                                                      G
                    HIS G1104
MOTA
       16479
               CB
                                                                   1.00 99.06
                                                                                      G
ATOM
       16480
               CG
                    HIS G1104
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                                                84.263
                                                         49.668
                                                                   1.00 99.06
MOTA
       16481
               CD2 HIS G1104
                                      76.629
                                               83.665
                                                         48.475
                                                                   1.00 99.06
                                                         50.605
50.001
48.706
52.389
                                               83.246
82.088
82.310
MOTA MOTA
       16482
               ND1
                    HIS G1104
HIS G1104
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76.577
                                                                   1.00 99.06
       16483
               CE1
                                                                   1.00 99.06
                                                                                      G
                                      76.726
MOTA
       16484
               NE2 HIS G1104
                                                                   1.00 99.06
                                                                                      G
                    HIS G1104
                                      75.913
                                                84.995
ATOM
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                                                                   1.00 33.27
                                                                                      G
ATOM
       16486
                    HIS G1104
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                                                                   1.00 33.27
                                                84.238
                    GLU G1105
GLU G1105
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MOTA
       16487
               Ν
                                               85.120
                                                         52.572
                                                                   1.00 33.95
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84.738
86.201
       16488
ATOM
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79.756
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53.453
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                    GLU G1105
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ATOM
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MOTA
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                    GLU G1105
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ATOM
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                    GLU G1105
GLU G1105
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77.658
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MOTA
       16495
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                                                         55.609
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                                                                                      G
                    ILE G1106
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77.442
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57.045
57.458
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ATOM
                    ILE G1106
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                                                                  1.00 37.01
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                                               85.675
                                                                                      G
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                                                                                      G
       16500
                    ILE G1106
                                      77.794
                                                                          9.16
MOTA
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                                                         57.262
                                                                   1.00
MOTA
       16501
               CD
                    ILE G1106
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                                               88.385
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                                                                          9.16
                    ILE G1106
               C
ATOM
       16502
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                                                                        37.01
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ATOM
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                    ILE G1106
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83.832
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59.120
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ATOM
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ATOM
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ATOM
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                    VAL G1107
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ATOM	16511	N	VAL G1108	75.88	3 81.616	61.241	1.00 74.13	G
ATOM		CA	VAL G1108	76.20		62.603	1.00 74.13	G
ATOM		CB	VAL G1108	74.99	8 80.588	63.307	1.00 94.80	Ğ
ATOM	16514		1 VAL G1108	75.43		64.642	1.00 94.80	G
ATOM ATOM	16515 16516	C	2 VAL G1108 VAL G1108	73.87° 77.320		63.503 62.446	1.00 94.80 1.00 74.13	G
ATOM	16517	ŏ	VAL G1108	77.209		61.686	1.00 74.13	G G
MOTA	16518	N	ALA G1109	78.428		63.139	1.00 80.78	Ğ
ATOM	16519	CA	ALA G1109	79.57		63.079	1.00 80.78	G
ATOM ATOM	16520 16521	CB C	ALA G1109 ALA G1109	80.559 80.229		62.031	1.00100.07	G
ATOM	16522	ō	ALA G1109	80.878		64.458 64.880	1.00 80.78 1.00 80.78	G G
ATOM	16523	N	ALA G1110	80.036	78.421	65.154	1.00 75.91	Ğ
ATOM	16524	CA	ALA G1110	80.580		66.497	1.00 75.91	G
MOTA MOTA	16525 16526	CB C	ALA G1110 ALA G1110	81.997 79.674		66.604 67.530	1.00100.07	G
MOTA	16527	õ	ALA G1110	78.789		67.189	1.00 75.91 1.00 75.91	G G
ATOM	16528	N	ALA G1111	79.891	L 78.543	68.797	1.00100.07	Ğ
ATOM	16529	CA	ALA G1111	79.082		69.857	1.00100.07	G
ATOM ATOM	16530 16531	CB C	ALA G1111 ALA G1111	79.348 79.401		71.165 69.989	1.00 58.97	G
ATOM	16532	ŏ	ALA G1111	79.284		69.025	1.00100.07	G G
ATOM	16533	N	ALA G1112	79.808		71.183	1.00100.07	Ğ
ATOM	16534	CA	ALA G1112	80.125		71.429	1.00100.07	G
ATOM ATOM	16535 16536	CB C	ALA G1112 ALA G1112	79.212 81.589		72.532 71.803	1.00100.07	G
ATOM	16537	õ	ALA G1112	82.048		72.855	1.00100.07	G G
ATOM	16538	N	CYS G1113	82.314		70.933	1.00 79.58	G
ATOM	16539	CA	CYS G1113	83.720		71.169	1.00 79.58	G
ATOM ATOM	16540 16541	CB SG	CYS G1113 CYS G1113	84.318 83.687		69.948	1.00 54.65	G
ATOM	16542	C	CYS G1113	83.868		69.714 72.392	1.00 54.65 1.00 79.58	G G
ATOM	16543	0	CYS G1113	83.153		73.387	1.00 79.58	G
MOTA	16544	N	ALA G1114	84.786		72.305	1.00 85.23	G
ATOM ATOM	16545 16546	CA CB	ALA G1114 ALA G1114	85.042 86.548		73.404 73.563	1.00 85.23	G
ATOM	16547	c	ALA G1114	84.341		73.266	1.00 77.65 1.00 85.23	G G
MOTA	16548	0	ALA G1114	84.315	88.365	72.188	1.00 85.23	Ğ
ATOM	16549	N	ALA G1115	83.777		74.380	1.00 93.16	G
ATOM ATOM	16550 16551	CA CB	ALA G1115 ALA G1115	83.086 82.504		74.429 75.814	1.00 93.16	G
ATOM	16552	C	ALA G1115	84.094		74.107	1.00100.07 1.00 93.16	G G
MOTA	16553	O	ALA G1115	84.446		72.944	1.00 93.16	Ğ
MOTA	16554	N	ALA G1116	84.573	91.271	75.142	1.00 99.71	G
ATOM ATOM	16555 16556	CA CB	ALA G1116 ALA G1116	85.545 86.885		74.955 74.517	1.00 99.71 1.00 84.39	G G
ATOM	16557	C	ALA G1116	85.010	93.296	73.895	1.00 84.39	G
ATOM	16558	0	ALA G1116	85.774	93.905	73.136	1.00 99.71	Ğ
ATOM ATOM	16559 16560	N CA	ALA G1117 ALA G1117	83.683	93.405	73.849	1.00 39.32	G
ATOM	16561	CB	ALA G1117 ALA G1117	82.980 83.255	94.277 93.855	72.907 71.468	1.00 39.32 1.00100.07	G G
ATOM	16562	С	ALA G1117	81.505	94.118	73.239	1.00 39.32	Ğ
ATOM	16563	0	ALA G1117	81.058	93.027	73.593	1.00 39.32	G
MOTA MOTA	16564 16565	N CA	ALA G1118 ALA G1118	80.755 79.343	95.206 95.176	73.137 73.470	1.00 41.85 1.00 41.85	G
ATOM	16566	CB	ALA G1118	79.179	95.149	74.976	1.00 41.85 1.00 5.07	G G
MOTA	16567	С	ALA G1118	78.684	96.414	72.912	1.00 41.85	Ğ
ATOM ATOM	16568	0	ALA G1118	79.298	97.476	72.868	1.00 41.85	G
ATOM	16569 16570	N CA	ILE G1119 ILE G1119	77.439 76.706	96.277 97.411	72.474 71.942	1.00 43.82 1.00 43.82	- G
ATOM	16571	CB	ILE G1119	75.699	96.996	70.858	1.00 99.50	- G G
MOTA	16572	CG2		75.003	98.223	70.311	1.00 99.50	Ğ
ATOM ATOM	16573 16574	CG1		76.407	96.255	69.726	1.00 99.50	G
ATOM	16575	CD	ILE G1119 ILE G1119	77.419 75.919	97.094 97.912	68.983 73.130	1.00 99.50 1.00 43.82	G G
MOTA	16576	Ō	ILE G1119	75.474	97.108	73.944	1.00 43.82	G
ATOM	16577	N	SER G1120	75.768	99.228	73.253	1.00 48.70	G
ATOM ATOM	16578 16579	CA CB	SER G1120 SER G1120	74.994	99.797	74.351	1.00 48.70	G
ATOM	16580	OG	SER G1120 SER G1120	75.824 75.494	100.830 100.821	75.113 76.492	1.00 93.21 1.00 93.21	G G
ATOM	16581	С	SER G1120	73.784	100.452	73.692	1.00 48.70	G
ATOM	16582	0	SER G1120	73.873	101.574	73.190	1.00 48.70	G
ATOM ATOM	16583 16584	N CA	VAL G1121 VAL G1121	72.665	99.728	73.681	1.00 20.14	G
ATOM	16585	CB	VAL G1121	71.415 70.455	100.184 99.024	73.059 72.848	1.00 20.14 1.00 44.00	G G
ATOM	16586	CG1	VAL G1121	69.144	99.555	72.313	1.00 44.00	G
ATOM	16587		VAL G1121	71.069	98.004	71.893	1.00 44.00	G
ATOM	16588	C	VAL G1121		101.253	73.813	1.00 20.14	G
ATOM ATOM	16589 16590	O N	VAL G1121 PRO G1122	69.948 70.711	100.956 102.505	74.782 73.342	1.00 20.14 1.00 43.02	G G
ATOM	16591	CD	PRO G1122	71.225	102.887	72.022	1.00 45.30	G
ATOM	16592	CA	PRO G1122		103.641	73.961	1.00 43.02	G
ATOM ATOM	16593 16594	CB CG	PRO G1122 PRO G1122	70.218	104.751 104.015	72.938	1.00 45.30	G
ОР	10JJ4	CG	LAU GIIZZ	/0.30/	104.015	71.658	1.00 45.30	G

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PHE G1124
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ATOM
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АТОМ

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ATOM 17045 C ILE G1176 61.239 100.362 81.287 1.00 15.29 ATOM 17046 O ILE G1176 61.729 101.470 81.473 1.00 15.29 ATOM 17047 N LYS G1177 60.339 99.839 82.110 1.00 68.82 ATOM 17048 CA LYS G1177 59.896 100.568 83.293 1.00 68.82 ATOM 17049 CB LYS G1177 58.764 99.800 83.986 1.00 98.64 ATOM 17050 CG LYS G1177 56.423 98.810 83.711 1.00 98.64 ATOM 17051 CD LYS G1177 56.423 98.810 83.711 1.00 98.64 ATOM 17052 CE LYS G1177 55.287 98.607 82.706 1.00 98.64 ATOM 17053 NZ LYS G1177 54.223 97.689 83.200 1.00 98.64 ATOM 17055 C LYS G1177 61.055 100.824 84.254 1.00 68.82 ATOM 17056 N ALA G1178 61.95 100.824 84.254 1.00 68.82 ATOM 17057 CA ALA G1178 61.96 99.850 84.371 1.00 35.80 ATOM 17058 CB ALA G1178 63.830 98.683 85.362 1.00 37.16 ATOM 17059 C ALA G1178 63.830 98.683 85.362 1.00 37.16 ATOM 17050 O ALA G1178 63.800 98.683 85.362 1.00 37.16 ATOM 17050 C ALA G1178 64.005 101.038 84.601 1.00 35.80 ATOM 17050 C ALA G1178 65.221 100.990 84.750 1.00 35.80 ATOM 17060 O ALA G1178 65.221 100.990 84.750 1.00 35.80 ATOM 17060 C ALA G1179 64.135 103.026 83.194 1.00 28.53 ATOM 17063 CB ALA G1179 64.135 103.026 83.194 1.00 28.53 ATOM 17064 C ALA G1179 64.135 103.026 83.194 1.00 28.53 ATOM 17065 O ALA G1179 63.502 105.267 82.643 1.00 28.53 ATOM 17066 N GLU G1180 60.829 104.844 83.448 1.00 40.04 ATOM 17067 CA GLU G1180 60.829 104.844 83.448 1.00 40.04 ATOM 17068 CB GLU G1180 59.479 104.203 83.148 1.00 69.59	0000000000000
ATOM 17058 CB ALA G1178 63.830 98.683 85.362 1.00 37.16 ATOM 17059 C ALA G1178 64.005 101.038 84.601 1.00 35.80 ATOM 17060 O ALA G1178 65.221 100.990 84.750 1.00 35.80 ATOM 17061 N ALA G1179 63.403 101.962 83.866 1.00 28.53 ATOM 17062 CA ALA G1179 64.135 103.026 83.194 1.00 28.53 ATOM 17063 CB ALA G1179 64.597 102.579 81.833 1.00 5.07 ATOM 17064 C ALA G1179 63.151 104.166 83.071 1.00 28.53 ATOM 17065 O ALA G1179 63.502 105.267 82.643 1.00 28.53 ATOM 17066 N GLU G1180 61.901 103.861 83.415 1.00 40.04 ATOM 17067 CA GLU G1180 60.829 104.844 83.448 1.00 40.04 ATOM 17068 CB GLU G1180 59.479 104.203 83.148 1.00 69.59	00000000000000
	000000000000000
ATOM 17070 CD GLU G1180 57.832 103.500 81.393 1.00 69.59 ATOM 17071 OE1 GLU G1180 57.982 102.269 81.563 1.00 69.59 ATOM 17072 OE2 GLU G1180 56.779 104.001 80.939 1.00 69.59 ATOM 17073 C GLU G1180 60.907 105.188 84.924 1.00 40.04 ATOM 17074 O GLU G1180 60.907 105.188 84.924 1.00 40.04 ATOM 17075 N ALA G1181 61.664 104.359 85.633 1.00 55.50 ATOM 17076 CA ALA G1181 61.866 104.517 87.058 1.00 55.50 ATOM 17077 CB ALA G1181 62.027 103.149 87.706 1.00100.07 ATOM 17078 C ALA G1181 63.103 105.372 87.314 1.00 55.50 ATOM 17079 O ALA G1181 63.156 106.141 88.270 1.00 55.50 ATOM 17080 N GLY G1182 64.103 105.232 86.456 1.00 69.70 ATOM 17081 CA GLY G1182 65.307 106.015 86.624 1.00 69.70	999999999999999999
ATOM 17083 O GLY G1182 67.614 105.698 87.078 1.00 69.70 ATOM 17084 N GLU G1183 66.364 103.847 86.816 1.00 20.92 ATOM 17085 CA GLU G1183 67.469 102.922 87.053 1.00 20.92 ATOM 17086 CB GLU G1183 66.960 101.607 87.635 1.00 50.24 ATOM 17087 CG GLU G1183 66.914 101.580 89.145 1.00 50.24 ATOM 17088 CD GLU G1183 65.621 102.091 89.702 1.00 50.24 ATOM 17089 OE1 GLU G1183 65.621 102.091 89.702 1.00 50.24 ATOM 17089 OE2 GLU G1183 65.247 103.239 89.385 1.00 50.24 ATOM 17090 OE2 GLU G1183 64.980 101.338 90.461 1.00 50.24 ATOM 17091 C GLU G1183 68.389 102.611 85.888 1.00 20.92 ATOM 17092 O GLU G1183 69.552 102.317 86.115 1.00 20.92 ATOM 17093 N VAL G1184 67.905 102.639 84.653 1.00 56.21 ATOM 17094 CA VAL G1184 68.881 102.872 83.213 1.00 68.55	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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                                                         81.564
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        17103
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        17104
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                                                                   1.00 45.21
        17105
17106
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        17109
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                                                         79.338
                                                                  1.00 50.67
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17114
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                CG
                                                         77.175
                                                                  1.00 89.37
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1.00 50.67
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VAL G1187
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1.00 71.13
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       17133
                     PRO G1188
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17143
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ATOM
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                    ARG G1190
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MOTA
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                    ARG G1190
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MOTA
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17155
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                    ALA G1192
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1.00 43.55
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                                                                                     G
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       17160
               С
                    ALA G1192
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                                               93.062
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ATOM
       17161
17162
               O
                    ALA G1192
                                      77.163
                                               93.845
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ATOM
               N
                    ALA G1193
ALA G1193
                                      78.257
                                                                  1.00 95.36
                                               93.401
                                                        64.351
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77.795
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CB
                    ALA G1194
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ATOM
       17169
                    ALA G1194
                                                                  1.00
                                     80.297
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ATOM
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ATOM
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                    ALA G1196
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MOTA
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                                               85.631
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       17184
               CA
                    ALA G1197
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                                                84.544
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MOTA
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ATOM
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                                                         57.280
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MOTA
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59.014
                                                                                     G
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ATOM
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ATOM
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ATOM
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                    CYS G1202
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ATOM ATOM	17607 17608	CG CD1		G1263 G1263	70.120 70.081	105.160 106.597	55.121 54.653	1.00 43.95 1.00 43.95	G G
MOTA	17609	CD2		G1263	68.751	104.700	55.588	1.00 43.95	Ğ
ATOM	17610	C		G1263 G1263	72.581 73.733	103.627	52.647	1.00 51.86	G
ATOM ATOM	17611 17612	O N		G1264	72.051	103.853 102.412	52.301 52.669	1.00 51.86 1.00 30.94	G G
ATOM	17613	CA		G1264	72.799	101.212	52.328	1.00 30.94	G
ATOM ATOM	17614 17615	CB CG		G1264 G1264	71.857 71.003	100.202 99.453	51.682 52.673	1.00 22.91 1.00 22.91	G G
ATOM	17616	CD1	PHE	G1264	69.687	99.104	52.355	1.00 22.91	G
ATOM ATOM	17617 17618	CD2 CE1		G1264 G1264	71.533 68.911	99.043 98.359	53.907 53.238	1.00 22.91 1.00 22.91	G G
ATOM	17619	CE2		G1264	70.771	98.295	54.800	1.00 22.91	G
MOTA	17620	CZ		G1264	69.457	97.951	54.464 51.447	1.00 22.91	G
ATOM ATOM	17621 17622	С 0		G1264 G1264	74.023 75.155	101.427 101.350	51.447	1.00 30.94 1.00 30.94	G G
MOTA	17623	N	GLU	G1265	73.806	101.701	50.161	1.00 56.36	G
ATOM ATOM	17624 17625	CA CB		G1265 G1265	74.914 74.377	101.911	49.227 47.823	1.00 56.36	G G
ATOM	17626	CG	GLU	G1265	74.336	100.898	46.984	1.00100.07	G
MOTA MOTA	17627 17628	CD OE1		G1265 G1265	73.406 73.260	101.032 102.161	45.798 45.280	1.00100.07	G G
MOTA	17629	OE2	GLU	G1265	72.827	100.009	45.377	1.00100.07	G
ATOM ATOM	17630 17631	C O		G1265 G1265	75.846 76.828	103.044	49.631 48.954	1.00 56.36 1.00 56.36	G G
ATOM	17632	N		G1266	75.524	103.522	50.739	1.00 76.49	G
ATOM	17633	CA		G1266	76.345	104.768	51.275	1.00 76.49	G
ATOM ATOM	17634 17635	CB C		G1266 G1266	77.629 76.677	104.191 105.852	51.827 50.285	1.00 8.17	G G
MOTA	17636	0		G1266	77.758	105.862	49.712	1.00 76.49	G
ATOM ATOM	17637 17638	N CA		G1267 G1267	75.758 76.008	106.776 107.865	50.088 49.166	1.00 83.66 1.00 83.66	G G
ATOM	17639	CB	ARG	G1267	75.024	107.815	47.998	1.00100.07	G
ATOM ATOM	17640 17641	CG CD		G1267 G1267	75.647 76.892	107.294 108.105	46.728 46.433	1.00100.07	G G
MOTA	17642	NE		G1267	77.691	107.543	45.356	1.00100.07	G
ATOM	17643 17644	CZ NH1		G1267 G1267	78.834 79.298	108.072 109.170	44.943 45.528	1.00100.07	G G
MOTA MOTA	17645	NH2		G1267	79.504	107.512	43.942	1.00100.07	G
ATOM	17646	C		G1267	75.852	109.166	49.912	1.00 83.66	G G
ATOM ATOM	17647 17648	N N		G1267 G1268	75.187 76.480	109.203 110.230	50.944 49.424	1.00 83.66 1.00 24.69	G
ATOM	17649	CA		G1268	76.322	111.503	50.098	1.00 24.69	G
MOTA MOTA	17650 17651	CB CG		G1268 G1268	77.654 78.353	112.262 112.751	50.246 48.990	1.00100.07	G G
ATOM	17652	CD	ARG	G1268	79.276	113.917	49.370	1.00100.07	G
MOTA MOTA	17653 17654	NE CZ		G1268 G1268	80.157 80.827	114.349 115.502	48.283 48.264	1.00100.07	G G
ATOM	17655	NH1	ARG	G1268	80.719	116.356	49.278	1.00100.07	G
MOTA MOTA	17656 17657	NH2 C		G1268 G1268	81.611 75.326	115.804 112.281	47.232 49.281	1.00100.07 1.00 24.69	G G
MOTA	17658	ŏ	ARG	G1268	75.683	112.949	48.315	1.00 24.69	G
ATOM ATOM	17659 17660	N CD		G1269 G1269		112.190 111.657	49.665 51.006	1.00 49.29 1.00 23.60	G G
MOTA	17661	CA	PRO	G1269	72.830	112.789	49.112	1.00 49.29	G
ATOM ATOM	17662 17663	CB CG		G1269 G1269		112.506 112.447	50.184 51.425	1.00 23.60 1.00 23.60	- G G
MOTA	17664	Č		G1269	72.866	114.260	48.759	1.00 49.29	Ğ
ATOM ATOM	17665 17666	O N		G1269 G1270	73.908 71.697	114.817 114.883	48.429 48.827	1.00 49.29 1.00100.07	G G
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MOTA	17671 17672	CE		G1270 G1270	66.819	117.490 118.364	49.627	1.00100.07	G
ATOM ATOM	17673	NZ C		G1270		117.108	49.234 49.791	1.00100.07	G G
ATOM	17674	0		G1270		117.952	49.849	1.00100.07	G
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MOTA	17680	N	LYS	G1272	73.242	116.795	52.921	1.00 68.73	G
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MOTA	17683	CG	LYS	G1272	76.845	118.114	53.189	1.00 68.65	G
ATOM ATOM	17684 17685	CD CE		G1272 G1272		118.305 118.551	52.168 52.880	1.00 68.65 1.00 68.65	G G
ATOM	17686	NZ		G1272		118.598	51.962	1.00 68.65	G

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ATOM ATOM	17776 17777	O N		G1284 G1285	77.191 13 78.001 13		63.431 61.553	1.00 75.14 1.00 40.73	G G
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ATOM	17811 17812	CG OD1		G1289 G1289	73.829 136 73.307 135		48.615	1.00 99.99	G
ATOM ATOM	17813			G1289	73.337 133		48.625 47.982	1.00 99.99 1.00 99.99	G G
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ATOM ATOM	17824	NH2		G1290	83.461 137 83.759 136	5.592	51.892 49.698	1.00 81.73 1.00 81.73	G G
ATOM	17825	C		G1290		8.820	54.505	1.00100.07	G
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ATOM	17831			G1291	72.437 130		55.448	1.00 99.56	G
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ATOM	17847	Õ		G1293	80.801 127		60.060	1.00 46.26	G
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ATOM	17943	0		G1305		130.028	53.165	1.00 88.70	G
ATOM ATOM	17944 17945	N CA		G1306 G1306	73.144	128.799 129.660	52.070 52.385	1.00 71.40	G G
ATOM	17946	CB		G1306	71.846		51.274	1.00100.07	Ğ
ATOM	17947	CG		G1306		131.329	50.695	1.00100.07	G
MOTA MOTA	17948 17949	CD1 CD2		G1306 G1306	72.781	132.108 132.236	49.430 51.731	1.00100.07	G G
ATOM	17950	C		G1306		128.876	52.518	1.00 71.40	G
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ATOM	17954	CA	PRO	G1307	69.406	127.000	53.417	1.00100.07	G
ATOM	17955 17956	CB CG		G1307 G1307	69.895 71.129		53.308 54.193	1.00100.07	G G
ATOM ATOM	17957	C		G1307	68.675		54.735	1.00100.07	G
ATOM	17958	0		G1307	68.482		55.189	1.00100.07	G
MOTA MOTA	17959 17960	N CA		G1308 G1308	68.270 67.577		55.332 56.611	1.00 79.79 1.00 79.79	G G
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ATOM ATOM	17963 17964	CD		G1308 G1308		126.119 127.281	58.798 58.129	1.00 87.61 1.00 87.61	G G
ATOM	17965	NZ		G1308	65.018	128.530	58.936	1.00 87.61	G
ATOM	17966	C		G1308			57.664	1.00 79.79 1.00 79.79	G G
ATOM ATOM	17967 17968	O N		G1308 G1309	68.886	124.512 126.541	57.645 58.575	1.00 67.57	G
ATOM	17969	CA	ASP	G1309	69.833	126.251	59.632	1.00 67.57	G
MOTA MOTA	17970 17971	CB CG		G1309 G1309	70.265	127.548 127.478	60.306 60.839	1.00 71.72 1.00 71.72	G G
ATOM	17972			G1309		126.716	61.802	1.00 71.72	G
MOTA	17973	OD2		G1309	72.539		60.284	1.00 71.72	G
ATOM ATOM	17974 17975	C O		G1309 G1309		125.349 124.930	60.633 60.409	1.00 67.57 1.00 67.57	G G
ATOM	17976	N		G1310	69.833	125.064	61.737	1.00 74.93	G
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ATOM ATOM	17978 17979	CB C		G1310 G1310	69.829 69.582	122.785 124.717	62.619 64.166	1.00100.07	G
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MOTA MOTA	17981 17982	N CA		G1311 G1311		125.798 126.417	64.550 65.874	1.00100.07	G G
ATOM	17983	CB		G1311		125.566	66.900	1.00100.07	Ğ
MOTA	17984	CG		G1311	67.973		68.247	1.00100.07	G
ATOM ATOM	17985 17986	CD NE		G1311 G1311	67.027 66.638		69.052 70.350	1.00100.07	G G
ATOM	17987	CZ	ARG	G1311	65.720	125.333	71.150	1.00100.07	G
MOTA	17988			G1311 G1311	65.089 65.424	124.221 125.906	70.793 72.309	1.00100.07	G G
ATOM ATOM	17989 17990	C		G1311		126.523	66.250	1.00100.07	G
ATOM	17991	0		G1311	71.102		66.792	1.00100.07	G
MOTA MOTA	17992 17993	N CA		G1312 G1312		127.671 127.824	65.979 66.262	1.00 83.13 1.00 83.13	G G
ATOM	17994	CB	LEU	G1312	73.303	127.937	64.923	1.00 99.53	G
ATOM ATOM	17995 17996	CG CD1		G1312 G1312		128.130 127.346	64.824 65.896	1.00 99.53 1.00 99.53	G G
ATOM	17997			G1312		127.721	63.436	1.00 99.53	Ğ
ATOM	17998			G1312		128.937	67.234	1.00 83.13	
MOTA MOTA	17999 18000	O N		G1312 G1313		129.201 129.561	68.236 66.926	1.00 83.13 1.00 74.79	G G
MOTA	18001	CA	LEU	G1313	74.761	130.622	67.721	1.00 74.79	G
MOTA MOTA	18002 18003	CB CG		G1313 G1313	73.894	131.888 133.238	67.714 67.621	1.00100.07 1.00100.07	G G
ATOM	18004			G1313		133.077	67.027	1.00100.07	Ğ
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ATOM ATOM	18006 18007	C O		G1313 G1313	75.198		69.126 70.107	1.00 74.79 1.00 74.79	G G
MOTA	18008	N	VAL	G1314	74.913	128.736	69.164	1.00100.07	G
ATOM ATOM	18009 18010	CA CB		G1314 G1314		127.921 126.725	70.359 70.308	1.00100.07 1.00 35.69	G G
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ATOM	18012	CG2		G1314		127.234 127.387	70.578	1.00 35.69	G
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ATOM	18015	N	LYS	G1315	76.889	127.028	71.684	1.00 33.32	G
ATOM	18016 18017	CA CB		G1315 G1315	78.211 78.537	126.472 126.507	71.936 73.437	1.00 33.32 1.00 38.58	G G
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ATOM ATOM ATOM	18206 18207 18208	O N CA	LYS GLY	G1340 G1341 G1341	83.276	108.353 108.413	64.461 63.786 63.583	1.00 38.81 1.00 79.81 1.00 79.81	G G G
ATOM ATOM	18209 18210	C O		G1341 G1341	84.392	106.261 106.912	62.849 62.224	1.00 79.81 1.00 79.81	G G
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MOTA	18214	CB	PRO	G1342	84.122	102.850	61.857	1.00 33.97	G
ATOM ATOM	18215 18216	CG C		G1342 G1342		102.633 103.720	63.071 63.187	1.00 33.97 1.00 38.38	G G
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ATOM ATOM	18218 18219	N CA		G1343 G1343	82.533 81.549	103.587 103.216	64.465 65.465	1.00 57.73 1.00 57.73	G G
ATOM	18220	CB	GLU	G1343	82.238	103.041	66.813	1.00100.07	G
ATOM ATOM	18221 18222	CG CD		G1343 G1343		102.012 101.736	66.762 68.116	1.00100.07	G G
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ATOM ATOM	18226 18227	O N		G1343 G1344		103.834 105.492	65.858 65.346	1.00 57.73 1.00 46.13	G G
ATOM	18228	CA	ALA	G1344	79.637	106.492	65.400	1.00 46.13	G
ATOM ATOM	18229 18230	CB		G1344 G1344		107.890 106.244	65.395 64.131	1.00 98.70 1.00 46.13	G G
MOTA	18231	0	ALA	G1344	77.611	106.166	64.150	1.00 46.13	G
ATOM ATOM	18232 18233	N CA		G1345 G1345		106.098 105.838	63.025 61.735	1.00 36.62 1.00 36.62	G G
ATOM	18234	CB	VAL	G1345	80.033	105.569	60.693	1.00 22.29	G
ATOM ATOM	18235 18236	CG2		G1345 G1345		104.903 106.878	59.460 60.337	1.00 22.29 1.00 22.29	G G
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ATOM	18242	CG	GLU	G1346	79.682	100.662	62.471	1.00 67.01	G
ATOM ATOM	18243 18244	CD OE1		G1346 G1346	80.155 79.422	99.425 98.413	63.209 63.187	1.00 67.01 1.00 67.01	G G
MOTA	18245	OE2	GLU	G1346	81.255	99.460	63.807	1.00 67.01	G
ATOM ATOM	18246 18247	С 0		G1346 G1346		102.616 102.283	62.705 62.171	1.00 42.14	G G
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ATOM ATOM	18254 18255	CZ NH1		G1347 G1347		105.503 106.807	70.492 70.299	1.00100.07	G G
ATOM	18256	NH2	ARG	G1347	74.760	104.990	71.706	1.00100.07	G
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MOTA	18259	N CA		G1348		105.498 106.336	62.769	1.00 27.52	G G
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MOTA	18264	CE1	TYR	G1348	72.551	109.893	60.298	1.00 19.59	G
MOTA MOTA	18265 18266	CD2 CE2		G1348 G1348		108.582 109.493	59.085 58.368	1.00 19.59 1.00 19.59	G G
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MOTA	18270	0	TYR	G1348	72.526	106.267	60.199	1.00 27.52	G
ATOM ATOM	18271 18272	N CA		G1349 G1349		104.388 103.636	60.476 59.499	1.00 24.73 1.00 24.73	G G
ATOM	18273	CB	LEU	G1349	73.855	102.627	58.748 57.782	1.00 12.05	G G
ATOM	18274	CG	TIEU	G1349	14.273	103.183	31.102	1.00 12.05	G

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18275
АТОМ
                CD1 LEU G1349
                                       74.361 104.390
                                                           57.032
                                                                    1.00 12.05
       18276
                                       76.160 103.574
71.875 102.910
MOTA
                CD2
                    LEU G1349
                                                           58.558
60.274
                                                                    1.00 12.05
       18277
                С
                     LEU G1349
MOTA
                                                                    1.00 24.73
1.00 24.73
                                                           60.340
       18278
                     LEU G1349
                                       70.742
                                               103.392
ATOM
                                                                                        G
        18279
                                       72.225
                                               101.773
ATOM
                     VAL G1350
                                                           60.881
                                                                     1.00
ATOM
       18280
                CA
                     VAL G1350
                                       71.276 100.972
                                                           61.657
                                                                    1.00 18.94
       18281
                                       71.919 100.359
                     VAL G1350
ATOM
                CB
                                                           62.914
                                                                    1.00
                                                                          31.45
                                                                                        G
                                       70.840
       18282
                                               99.943
99.158
                     VAL G1350
                                                           63.899
ATOM
                CG1
                                                                    1.00 31.45
       18283
                CG2
                     VAL G1350
ATOM
                                                                    1.00
                                                                          31.45
                                                                                        G
       18284
                     VAL G1350
                                       70.114 101.807
MOTA
                                                           62.117
                                                                    1.00 18.94
ATOM
       18285
                     VAL G1350
                                       68.969 101.435
                                                           61.922
                                                                    1.00 18.94
ATOM
       18286
                    ASP G1351
ASP G1351
                                       70.410 102.935
                                                           62.744
                                                                    1.00
                                                                          46.85
                                       69.352 103.792
69.904 104.895
       18287
                CA
                                                           63.209
ATOM
                                                                    1.00 46.85
                     ASP G1351
       18288
                CB
                                                           64.101
ATOM
                                                                    1,00 63.80
                                                                                        G
                                                           65.431
ATOM
       18289
                CG
                     ASP G1351
                                       70.402 104.370
                                                                    1.00
                                                                          63.80
       18290
                     ASP G1351
                                       69.677 103.580
                                                           66.081
ATOM
                OD1
                                                                    1.00 63.80
MOTA
       18291
                OD2
                    ASP G1351
                                       71.516 104.758
                                                           65.836
                                                                    1.00 63.80
ATOM
       18292
                     ASP G1351
                                       68.649 104.393
                                                           62.013
                                                                    1.00 46.85
                     ASP G1351
                                       67.459 104.166
69.396 105.133
                                                          61.811
ATOM
       18293
                                                                    1.00 46.85
                     GLU G1352
       18294
                                                                    1.00 22.79
                N
MOTA
                                                                                        G
       18295
                     GLU G1352
                                       68.835 105.804
                                                          60.022
                                                                    1.00 22.79
MOTA
                                                                                        G
ATOM
       18296
                     GLU G1352
                                       69.959 106.592
                                                           59.338
                                                                    1.00
                                                                          53.67
ATOM
       18297
                CG
                     GLU G1352
                                       69.509 107.768
                                                          58.491
                                                                    1.00 53.67
                    GLU G1352
GLU G1352
                                       68.800 108.829
ATOM
       18298
                CD
                                                          59.292
                                                                    1.00 53.67
                                                                                        G
                                       69.364 109.288
67.680 109.209
       18299
                OE1
MOTA
                                                                    1.00 53.67
                                                          60.304
                    GLU G1352
                                                          58,900
ATOM
       18300
                OE<sub>2</sub>
                                                                    1.00 53.67
                                                                                        G
                     GLU G1352
                                       68.130 104.842
                                                                    1.00 22.79
MOTA
       18301
                                                           59.021
       18302
                     GLU G1352
                                       67.014 105.116
                                                          58.521
                                                                    1.00 22.79
ATOM
ATOM
       18303
                     ILE G1353
                                       68.798 103.727
                                                          58.732
                                                                    1.00
                                                                          33.46
                    ILE G1353
ILE G1353
                                       68.276 102.701
69.126 101.433
                                                          57.842
57.937
MOTA
       18304
                                                                    1.00 33.46
       18305
ATOM
                CB
                                                                    1.00 60.92
                                                                                        G
ATOM
       18306
                CG2
                    ILE G1353
                                       68.356 100.229
                                                          57.416
                                                                    1.00 60.92
                                       70.415 101.631
                                                          57.164
ATOM
       18307
                CG1
                    ILE G1353
                                                                    1.00
                                                                          60.92
       18308
                CD
                     ILE G1353
                                       70.206 101.639
                                                          55.690
MOTA
                                                                    1.00
                                                                          60.92
ATOM
       18309
                     ILE G1353
                                       66.868 102.340
                                                          58.265
                                                                    1.00 33.46
MOTA
       18310
                    ILE G1353
                                       66.075 101.867
                                                          57.459
                                                                    1.00
                                                                          33.46
                                                                                        G
                                       66.568 102.563
65.273 102.222
MOTA
       18311
18312
                    GLN G1354
                                                          59,542
                                                                    1.00 24.60
1.00 24.60
                    GLN G1354
                                                          60.107
MOTA
                CA
       18313
                    GLN G1354
                                       65.442 101.855
                                                          61.572
                                                                    1.00
ATOM
                                                                          23.11
MOTA
       18314
                CG
                    GLN G1354
                                       64.459 100.817
                                                          62.050
                                                                    1.00 23.11
                    GLN G1354
       18315
18316
                                       65.027
64.280
                                                99.412
98.440
                                                          62.053
62.083
ATOM
                CD
                                                                    1.00
                                                                          23.11
                                                                                        G
                OE1
                    GLN G1354
                                                                    1.00
MOTA
                                                                          23.11
                                                                                        G
                    GLN G1354
                                       66.344
                                                99.299
                                                          62.041
MOTA
       18317
                NE2
                                                                    1.00 23.11
                                                                                        G
                    GLN G1354
                                       64.257 103.339
MOTA
       18318
                                                          59.986
                                                                    1.00
                                                                          24.60
ATOM
       18319
                     GLN G1354
                                       63.275 103.217
                                                          59.263
                                                                    1.00 24.60
                                       64.496 104.414
63.634 105.588
64.502 106.843
                                                          60.726
60.725
60.590
ATOM
       18320
                N
                    LYS G1355
                                                                    1.00 25.11
1.00 25.11
                    LYS G1355
       18321
MOTA
                CA
ATOM
       18322
                CB
                    LYS G1355
                                                                    1.00100.07
ATOM
       18323
                    LYS G1355
                                       63.754 108.163
                                                          60.563
                                                                    1.00100.07
MOTA
       18324
                CD
                    LYS G1355
                                       64.744 109.322
                                                          60.448
                                                                    1.00100.07
                    LYS G1355
LYS G1355
MOTA
       18325
                CE
                                       64.051 110.643
                                                          60.114
                                                                    1.00100.07
                                       65.018 111.756
62.624 105.508
                                                          59.835
59.587
                                                                    1.00100.07
1.00 25.11
ATOM
       18326
                N7.
       18327
                    LYS G1355
ATOM
ATOM
       18328
                     LYS G1355
                                       61.411 105.500
                                                          59.821
                                                                    1.00 25.11
                                       63.137 105.413
62.287 105.335
63.083 105.088
MOTA
       18329
                     VAL G1356
                                                          58.359
                                                                    1.00 32.35
ATOM
       18330
                CA
                    VAL G1356
                                                          57.174
                                                                    1.00
                                                                          32.35
                                                                                        G
                     VAL G1356
       18331
                                                          55.905
                                                                    1.00 71.55
MOTA
                CB
                                                                                       G
                                                          54.731
       18332
                CG1
                    VAL G1356
                                       62.130 104.972
                                                                    1.00
                                                                          71.55
ATOM
                                                                                        G
                                       64.059 106.227
                                                          55.685
                                                                    1.00
ATOM
       18333
                CG2
                    VAL G1356
MOTA
       18334
                    VAL G1356
                                       61.291 104.219
                                                          57.301
                                                                    1.00 32.35
                                       60.092 104.441
61.784 103.009
60.867 101.904
ATOM
       18335
                O
                    VAL G1356
                                                          57.164
                                                                    1.00
                                                                          32.35
                                                                                        G
                                                          57.527
57.706
                    TYR G1357
       18336
                                                                    1.00 12.31
ATOM
                N
                                                                                        G
                                                                    1.00
                                                                          12.31
MOTA
       18337
                    TYR G1357
                CA
                    TYR G1357
                                       61.572 100.572
                                                          57.976
ATOM
       18338
                                                                    1.00
ATOM
       18339
                CG
                    TYR G1357
                                       62.207
                                                99.884
                                                          56.798
                                                                    1.00 32.25
                                                          56.986
55.950
55.520
ATOM
       18340
                CD1
                    TYR G1357
                                       62.957
                                                98.735
                                                                    1.00
                                                                          32.25
                                                                                       G
                                       63.607 98.135
62.114 100.408
                                                                    1.00 32.25
1.00 32.25
       18341
                    TYR G1357
MOTA
                CE1
ATOM
       18342
                CD2
                    TYR G1357
                                       62.760
                                                99.814
                                                          54.470
ATOM
       18343
                CE2
                    TYR G1357
                                                                    1.00
                                                                          32.25
                                       63.514 98.676
64.217 98.100
60.102 102.251
MOTA
       18344
                CZ
                    TYR G1357
                                                          54.693
                                                                    1.00 32.25
                                                          53.653
58.957
                    TYR G1357
ATOM
       18345
                OH
                                                                    1.00
                                                                          32.25
                                                                                        G
                    TYR G1357
                                                                    1.00 12.31
ATOM
       18346
                C
                                       58.884 102.316
                                                          58.950
MOTA
       18347
                    TYR G1357
                                                                    1.00
                                                                          12.31
                                                                                        G
                                       60.837 102.493
MOTA
       18348
                    ARG G1358
                                                          60.034
                                                                    1.00
ATOM
       18349
                    ARG G1358
                                       60.218 102.783
                                                          61.310
                                                                    1.00 28.55
ATOM
       18350
                CB
                    ARG G1358
                                       61.219 103.447
                                                          62.241
                                                                    1.00
                                                                          61.23
                                       61.461 102.594
62.801 102.869
                                                          63.469
64.089
MOTA
       18351
                CG
                    ARG G1358
                                                                    1.00 61.23
                CD
                    ARG G1358
                                                                    1.00
ATOM
       18352
                                                                          61.23
ATOM
       18353
                NE
                    ARG G1358
                                       63.224 101.749
                                                          64.918
                                                                    1.00
                                                                          61.23
                                                                                       G
                                       64.392 101.694
                                                          65.544
MOTA
                CZ
                    ARG G1358
                                                                    1.00
                                                                          61.23
                                                                                       G
                    ARG G1358
                                       65.249
                                                          65.434
                                                                    1.00
ATOM
       18355
               NH1
                                               102.702
       18356
                                       64.704 100.635
ATOM
               NH2
                    ARG G1358
                                                          66.279
                                                                    1.00
                                                                          61.23
                                       58.933 103.581
58.092 103.453
ATOM
       18357
               C
                    ARG G1358
                                                          61.248
                                                                    1.00
                                                                          28.55
                                                                                       G
               0
ATOM
       18358
                    ARG G1358
                                                          62.134
                                                                    1.00
                                                                          28.55
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ATOM 18360 C 8 ALA G1359 57.548 105.168 6.039 1.00 5.3.35 G ATOM 18360 C 8 ALA G1339 57.548 105.168 6.039 1.00 5.3.67 G ATOM 18360 C 8 ALA G1339 55.420 104.313 59.297 1.00 5.3.67 G ATOM 18363 C ALA G1339 55.420 104.313 59.327 1.00 53.35 G ATOM 18364 N GLM G1360 55.326 102.153 59.111 1.00 55.78 G ATOM 18365 C 8 GLM G1360 55.306 102.153 59.111 1.00 55.78 G ATOM 18366 C 8 GLM G1360 55.306 102.153 59.111 1.00 55.78 G ATOM 18366 C 8 GLM G1360 55.324 102.658 57.677 1.00 60.86 G ATOM 18366 C 8 GLM G1360 55.326 102.153 59.111 1.00 55.78 G ATOM 18367 CC GLM G1360 55.326 102.153 59.111 1.00 55.78 G ATOM 18371 C GLM G1360 57.331 104.794 55.000 1.00 60.86 G ATOM 18371 C GLM G1360 57.331 104.794 55.095 1.00 60.86 G ATOM 18371 C GLM G1360 57.331 104.794 55.095 1.00 60.86 G ATOM 18371 C GLM G1360 57.331 104.794 55.198 1.00 55.78 G ATOM 18373 N GLY G1361 57.720 98.794 59.982 1.00 55.78 G ATOM 18373 N GLY G1361 57.720 98.794 59.982 1.00 55.78 G ATOM 18373 N GLY G1361 57.720 98.794 59.982 1.00 55.78 G ATOM 18373 C GLY G1361 57.200 98.794 58.879 1.00 66.25 G ATOM 18373 C GLY G1361 57.305 1.00 66.25 G ATOM 18373 C GLY G1361 57.305 1.00 50.82 G G G G G G G G G G G G G G G G G G G	ATOM	18359	N		G1359		104.385	60.201	1.00 35.35	G
ATOM 18362 O ALA G1359 56.421 104.376 59.325 1.00 35.35 G ATOM 18363 O ALA G1359 56.701 104.931 58.517 1.00 35.35 G ATOM 18366 CA GLAG G1359 56.324 103.079 59.642 1.00 55.78 G ATOM 18366 CA GLAG G1360 55.014 103.049 59.642 1.00 55.78 G ATOM 18366 CA GLAG G1360 55.014 103.049 59.642 1.00 55.78 G ATOM 18368 CD GLAG G1360 55.014 102.449 55.76 1.00 60.86 G ATOM 18369 CD GLAG G1360 55.014 102.449 56.396 1.00 60.86 G ATOM 18369 CD GLAG G1360 55.413 104.388 56.095 1.00 60.86 G ATOM 18369 OEL GLAG G1360 55.413 104.388 55.015 1.00 60.86 G ATOM 18370 NEZ GLAG G1360 55.443 104.388 55.91 1.00 60.86 G ATOM 18371 NEZ GLAG G1360 55.443 104.388 59.91 1.00 60.86 G ATOM 18372 O GLAG G1360 55.443 104.388 59.91 1.00 60.86 G ATOM 18372 O GLAG G1360 55.646 100.649 59.312 1.00 55.78 G ATOM 18373 CA GLAG G1360 55.646 100.649 59.312 1.00 55.78 G ATOM 18373 CA GLAG G1361 55.775 100.1913 58.575 1.00 66.25 G ATOM 18373 CA GLAG G1361 57.7312 99.102 61.233 1.00 66.25 G ATOM 18373 CA GLAG G1361 57.312 99.102 61.233 1.00 66.25 G ATOM 18373 CA GLAG G1362 57.781 99.102 61.233 1.00 66.25 G ATOM 18378 CA VAL G1362 57.785 96.082 62.514 1.00 26.34 G ATOM 18379 CB VAL G1362 58.847 96.852 61.748 1.00 26.34 G ATOM 18380 CG1 VAL G1362 58.077 96.088 64.005 1.00 51.84 G ATOM 18380 CG1 VAL G1362 58.077 96.089 64.005 1.00 51.84 G ATOM 18380 CG1 VAL G1362 56.039 96.652 62.219 1.00 53.76 G ATOM 18380 CG1 VAL G1362 56.039 96.652 62.219 1.00 53.76 G ATOM 18380 CG1 VAL G1362 56.039 96.652 62.219 1.00 53.76 G ATOM 18380 CG1 VAL G1362 56.039 96.652 62.219 1.00 53.76 G ATOM 18380 CG1 VAL G1362 56.039 96.652 62.219 1.00 53.76 G ATOM 18380 CG1 VAL G1362 56.039 96.036 65.52 62.219 1.00 53.76 G ATOM 18380 CG1 VAL G1362 56.039 96.036 65.52 62.219 1.00 53.76 G ATOM 18380 CG1 VAL G1362 56.039 97.034 64.005 1.00 53.76 G ATOM 18380 CG1 VAL G1362 56.039 97.034 64.005 1.00 53.76 G ATOM 18390 CG1 VAL G1362 56.039 97.034 64.005 1.00 53.76 G ATOM 18390 CG1 VAL G1362 56.039 97.034 64.005 1.00 53.76 G ATOM 18390 CG1 VAL G1362 56.039 97.034 64.005 1.00 53.76 G ATOM 18390 CG1 VAL G										
ATOM 18365 CA GLM G1360 56.324 103.079 59.642 1.00 55.78 G ATOM 18356 CA GLM G1360 55.016 102.153 59.111 1.00 55.78 G ATOM 18356 CA GLM G1360 55.011 102.459 57.634 1.00 60.86 G ATOM 18367 CG GLM G1360 55.011 102.459 57.634 1.00 60.86 G ATOM 18367 CG GLM G1360 55.021 102.459 57.634 1.00 60.86 G ATOM 18370 NEZ GLM G1360 56.232 104.028 55.056 1.00 60.86 G ATOM 18370 NEZ GLM G1360 55.646 100.649 59.312 1.00 60.86 G ATOM 18370 NEZ GLM G1360 55.646 100.649 59.312 1.00 55.78 G ATOM 18371 C GLM G1360 55.646 100.649 59.312 1.00 55.78 G ATOM 18372 O GLM G1360 55.646 100.649 59.312 1.00 66.25 G ATOM 18373 N GLY G1361 57.644 98.405 60.278 1.00 66.25 G ATOM 18373 N GLY G1361 57.644 98.405 60.278 1.00 66.25 G ATOM 18373 N GLY G1361 57.644 98.405 60.278 1.00 66.25 G ATOM 18375 N GLY G1361 57.644 98.405 60.278 1.00 66.25 G ATOM 18375 N GLY G1361 57.644 98.405 60.278 1.00 66.25 G ATOM 18378 CA VAL G1362 58.847 96.852 61.748 1.00 66.25 G ATOM 18379 CB VAL G1362 58.847 96.852 61.748 1.00 66.25 G ATOM 18379 CB VAL G1362 58.847 96.852 62.219 1.00 51.84 G ATOM 18380 CG1 VAL G1362 58.876 96.892 60.05 1.00 51.84 G ATOM 18380 CG1 VAL G1362 58.077 96.098 6.652 62.219 1.00 51.84 G ATOM 18380 CG1 VAL G1362 58.077 96.098 6.652 62.219 1.00 51.84 G ATOM 18380 CG1 VAL G1362 58.077 96.098 6.652 62.219 1.00 51.84 G ATOM 18380 CG1 VAL G1362 58.077 96.098 6.652 62.219 1.00 51.84 G ATOM 18380 CG1 VAL G1362 58.077 96.098 6.652 62.219 1.00 51.84 G ATOM 18380 CG1 VAL G1362 60.037 95.893 61.699 1.00 26.34 G G ATOM 18380 CG1 VAL G1362 60.037 95.893 61.699 1.00 26.34 G G ATOM 18380 CG1 VAL G1362 60.037 95.893 61.699 1.00 26.34 G G ATOM 18380 N AL G1363 60.006 60.37 95.893 61.699 1.00 26.34 G G ATOM 18380 N AL G1363 60.006 60.37 95.893 61.699 1.00 26.34 G G ATOM 18380 N AL G1363 60.006 60.37 95.893 61.699 1.00 26.34 G G ATOM 18380 N AL G1363 60.006 60.37 95.893 60.652 60.207 1.00 51.84 G G ATOM 18380 N AL G1363 60.006 60.37 95.894 60.805 1.00 53.76 G G ATOM 18380 N AL G1363 60.006 60.37 95.286 60.295 1.00 53.76 G G ATOM 18380 N AL G1363 60.006 60.37 95.2										
ATOM 18366 CB GIN G1360 55.306 102.153 59.111 1.00 55.78 G CATOM 18366 CB GIN G1360 55.011 102.459 57.634 1.00 60.86 G CATOM 18367 CG LN G1360 56.242 102.658 57.67 1.00 60.86 G CATOM 18368 CD GIN G1360 56.243 104.388 55.095 1.00 60.86 G CATOM 18368 CD GIN G1360 55.433 104.388 55.095 1.00 60.86 G CATOM 18369 ORD GIN G1360 55.433 104.388 55.095 1.00 60.86 G CATOM 18370 NEC GIN G1360 55.433 104.388 55.095 1.00 60.86 G CATOM 18373 N GLY G1360 55.433 104.388 55.095 1.00 60.86 G CATOM 18373 N GLY G1360 55.435 1.00 7.84 55.395 1.00 66.25 G CATOM 18373 N GLY G1361 57.200 98.794 58.878 1.00 66.25 G CATOM 18375 C GLY G1361 57.200 98.794 58.878 1.00 66.25 G CATOM 18375 C GLY G1361 57.200 98.794 58.878 1.00 66.25 G CATOM 18376 N GLY G1361 57.200 98.794 58.878 1.00 66.25 G CATOM 18376 N GLY G1361 57.312 99.102 61.233 1.00 66.25 G CATOM 18376 N GLY G1361 57.312 99.102 61.233 1.00 66.25 G CATOM 18376 N GLY G1361 57.312 99.102 61.233 1.00 66.25 G CATOM 18376 N GLY G1361 57.312 99.102 61.233 1.00 66.25 G CATOM 18376 N GLY G1362 58.878 96.882 61.036 60.278 1.00 66.25 G CATOM 18381 CG2 VAL G1362 58.878 96.882 61.036 60.278 1.00 66.25 G CATOM 18381 CG2 VAL G1362 58.878 96.882 61.00 60.25 G CATOM 18381 CG2 VAL G1362 60.079 58.999 96.652 62.19 1.00 56.34 G CATOM 18382 C VAL G1362 60.079 58.999 96.652 62.19 1.00 56.34 G CATOM 18383 C CAL G1362 60.079 58.999 96.652 62.19 1.00 53.76 G CATOM 18383 N ALA G1363 62.079 59.105 60.529 1.00 53.76 G CATOM 18384 N ALA G1363 62.079 59.105 60.529 1.00 53.76 G CATOM 18389 N ALA G1363 62.079 59.105 60.529 1.00 53.76 G CATOM 18389 N ALA G1363 62.079 59.105 60.529 1.00 53.76 G CATOM 18390 C CAL AL G1363 62.079 59.105 60.529 1.00 53.76 G CATOM 18390 C CAL AL G1364 63.61 91.45 60.695 91.00 53.76 G CATOM 18390 N ALA G1363 62.609 99.73 60.070 1.00 50.										
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ATOM 18420 O LYS G1367 69.912 94.074 63.208 1.00 32.64 G ATOM 18421 N HIS G1368 69.595 92.013 62.306 1.00 45.78 G ATOM 18422 CA HIS G1368 69.598 92.354 60.880 1.00 45.78 G ATOM 18423 CB HIS G1368 68.161 92.585 60.463 1.00 12.69 G ATOM 18424 CG HIS G1368 67.303 91.413 60.772 1.00 12.69 G ATOM 18425 CD2 HIS G1368 67.303 91.413 60.772 1.00 12.69 G ATOM 18426 ND1 HIS G1368 67.634 90.140 60.358 1.00 12.69 G ATOM 18427 CE1 HIS G1368 66.231 91.276 61.583 1.00 12.69 G ATOM 18428 NE2 HIS G1368 65.951 89.930 61.661 1.00 12.69 G ATOM 18428 NE2 HIS G1368 70.478 93.436 60.308 1.00 45.78 G ATOM 18430 O HIS G1368 71.632 93.180 59.962 1.00 45.78 G ATOM 18431 N ILE G1369 70.668 95.765 59.620 1.00 36.62 G ATOM 18433 CB ILE G1369 70.032 97.074 60.110 1.00 27.62 G ATOM 18434 CG2 ILE G1369 70.974 98.223 59.926 1.00 27.62 G ATOM 18435 CG1 ILE G1369 67.775 98.166 60.078 1.00 27.62 G ATOM 18436 CD ILE G1369 72.134 95.668 60.063 1.00 36.62 G ATOM 18437 C ILE G1369 72.134 95.668 60.078 1.00 36.62 G ATOM 18438 O ILE G1369 73.054 95.797 59.248 1.00 36.62 G ATOM 18439 N GLU G1370 73.607 94.569 63.276 1.00 51.14 G										
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ATOM 18427 CE1 HIS G1368 66.813 89.266 60.912 1.00 12.69 G ATOM 18428 NE2 HIS G1368 65.951 89.930 61.661 1.00 12.69 G ATOM 18429 C HIS G1368 70.478 93.436 60.308 1.00 45.78 G ATOM 18430 O HIS G1368 71.632 93.180 59.962 1.00 45.78 G ATOM 18431 N ILE G1369 69.917 94.629 60.148 1.00 36.62 G ATOM 18432 CA ILE G1369 70.668 95.765 59.620 1.00 36.62 G ATOM 18433 CB ILE G1369 70.032 97.074 60.110 1.00 27.62 G ATOM 18434 CG2 ILE G1369 70.974 98.223 59.926 1.00 27.62 G ATOM 18435 CG1 ILE G1369 68.739 97.311 59.345 1.00 27.62 G ATOM 18436 CD ILE G1369 67.775 98.166 60.078 1.00 27.62 G ATOM 18437 C ILE G1369 72.134 95.668 60.063 1.00 36.62 G ATOM 18438 O ILE G1369 73.054 95.797 59.248 1.00 36.62 G ATOM 18439 N GLU G1370 73.672 95.260 61.906 1.00 45.01 G ATOM 18441 CB GLU G1370 73.607 94.569 63.276 1.00 51.14										
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ATOM 18434 CG2 ILE G1369 70.974 98.223 59.926 1.00 27.62 G ATOM 18435 CG1 ILE G1369 68.739 97.311 59.345 1.00 27.62 G ATOM 18436 CD ILE G1369 67.775 98.166 60.078 1.00 27.62 G ATOM 18437 C ILE G1369 72.134 95.668 60.063 1.00 36.62 G ATOM 18438 O ILE G1369 73.054 95.797 59.248 1.00 36.62 G ATOM 18439 N GLU G1370 73.672 95.260 61.906 1.00 45.01 G ATOM 18440 CA GLU G1370 73.672 95.260 61.906 1.00 45.01 G ATOM 18441 CB GLU G1370 73.607 94.569 63.276 1.00 51.14 G										
ATOM 18435 CG1 ILE G1369 68.739 97.311 59.345 1.00 27.62 G ATOM 18436 CD ILE G1369 67.775 98.166 60.078 1.00 27.62 G ATOM 18437 C ILE G1369 72.134 95.668 60.063 1.00 36.62 G ATOM 18438 O ILE G1369 73.054 95.797 59.248 1.00 36.62 G ATOM 18439 N GLU G1370 72.335 95.413 61.355 1.00 45.01 G ATOM 18440 CA GLU G1370 73.672 95.260 61.906 1.00 45.01 G ATOM 18441 CB GLU G1370 73.607 94.569 63.276 1.00 51.14 G										
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ATOM 18438 O ILE G1369 73.054 95.797 59.248 1.00 36.62 G ATOM 18439 N GLU G1370 72.335 95.413 61.355 1.00 45.01 G ATOM 18440 CA GLU G1370 73.672 95.260 61.906 1.00 45.01 G ATOM 18441 CB GLU G1370 73.607 94.569 63.276 1.00 51.14 G										
ATOM 18439 N GLU G1370 72.335 95.413 61.355 1.00 45.01 G ATOM 18440 CA GLU G1370 73.672 95.260 61.906 1.00 45.01 G ATOM 18441 CB GLU G1370 73.607 94.569 63.276 1.00 51.14 G							95.797			
ATOM 18441 CB GLU G1370 73.607 94.569 63.276 1.00 51.14 G							95.413	61.355		

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ATOM
        18443
                CD
                    GLU G1370
                                      72.916
                                                95.729
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ATOM 18866 O GLY G125 424 77.622 99.681 1.00 40.36 G ATOM 18866 O GLY G1425 77.622 99.681 48.455 1.00 40.36 G ATOM 18866 O GLY G1425 77.616 99.531 48.455 1.00 40.36 G ATOM 18866 O GLY G1425 77.616 99.531 48.455 1.00 40.36 G ATOM 18866 CB VAL G1425 77.6746 97.474 50.613 1.00 77.66 G ATOM 18866 CB VAL G1425 77.6746 97.474 50.613 1.00 77.14 G ATOM 18870 CG2 VAL G1425 77.4645 98.546 49.438 1.00 77.66 G ATOM 18871 CVAL G1425 77.234 97.015 48.934 1.00 77.66 G ATOM 18871 O VAL G1425 77.234 97.015 48.934 1.00 77.66 G ATOM 18871 O VAL G1425 77.234 97.015 48.934 1.00 77.66 G ATOM 18873 O VAL G1425 77.234 97.015 48.934 1.00 77.66 G ATOM 18875 O ATOM 18876 CB THR G1426 76.843 97.063 48.285 1.00 31.35 G ATOM 18876 CB THR G1426 75.341 98.663 45.566 1.00 50.61 G ATOM 18877 CG THR G1426 75.341 98.663 45.566 1.00 50.61 G ATOM 18877 CG THR G1426 76.335 66.629 46.406 1.00 51.35 G ATOM 18880 N LYS G1427 80.647 97.375 44.214 1.00 50.61 G ATOM 18881 CB LYS G1427 80.647 97.375 44.214 1.00 50.61 G ATOM 18882 CB LYS G1427 80.968 99.807 44.241 1.00 37.377 G ATOM 18882 CB LYS G1427 80.968 99.807 44.241 1.00 37.377 G ATOM 18883 C LYS G1427 80.968 99.807 44.241 1.00 37.377 G ATOM 18886 C LYS G1427 80.968 99.807 44.244 1.00 37.377 G ATOM 18888 C LYS G1427 81.369 98.661 44.737 1.00100.07 G ATOM 18888 C LYS G1427 81.369 98.661 44.737 1.00100.07 G ATOM 18888 C LYS G1427 81.369 98.661 44.737 1.00100.07 G ATOM 18888 C LYS G1427 81.369 98.661 44.447 71.00100.07 G ATOM 18888 C LYS G1427 81.369 98.661 44.447 71.00100.07 G ATOM 18888 C LYS G1427 81.369 98.967 44.44 44.737 1.00100.07 G ATOM 18889 C LYS G1427 81.369 98.661 44.447 71.00100.07 G ATOM 18889 C LYS G1427 81.369 98.967 44.44 44.737 1.00100.07 G ATOM 18899 C A SER G1428 81.459 98.661 44.447 71.00100.07 G ATOM 18899 C A SER G1428 81.459 98.644 44.737 1.00100.07 G ATOM 18899 C A SER G1428 81.459 98.644 44.737 1.00100.07 G ATOM 18899 C A SER G1428 81.459 98.549 89.807 44.909 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 80		MOT	18863	CA		G1424	78.292		50.133	1.00 40.36	G
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ATOM 18928 C LYS G1433 85.861 86.871 46.982 1.00 63.33 G ATOM 18929 O LYS G1433 87.076 86.910 47.269 1.00 63.33 G ATOM 18930 N SER G1434 85.278 85.817 46.406 1.00 61.50 G ATOM 18931 CA SER G1434 86.028 84.615 46.097 1.00 61.50 G ATOM 18932 CB SER G1434 85.542 83.445 46.960 1.00 32.04 G ATOM 18933 OG SER G1434 84.715 82.550 46.233 1.00 32.04 G ATOM 18935 O SER G1434 85.928 84.237 44.638 1.00 61.50 G ATOM 18935 O SER G1434 85.928 84.237 44.638 1.00 61.50 G ATOM 18936 N TRP G1435 86.619 84.997 43.794 1.00 64.00 G ATOM 18938 CB TRP G1435 86.610 84.757 42.351 1.00 64.00 G ATOM 18938 CB TRP G1435 87.920 83.885 42.053 1.00 26.78 G ATOM 18940 CD2 TRP G1435 87.749 82.713 41.139 1.00 26.78 G ATOM 18940 CD2 TRP G1435 88.137 81.366 41.401 1.00 26.78 G ATOM 18940 CD2 TRP G1435 88.137 81.366 41.401 1.00 26.78 G ATOM 18942 CE3 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CC3 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CC3 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CC3 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CC3 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18944 NC1 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.174 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.174 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.174 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.176 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.176 81.438 39.373 1.00 26.78 G ATOM 18945 CC2 TRP G1435 87.176 81.438 39.373 1.00 26.78											
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ATOM 18931 CA SER G1434 86.028 84.615 46.097 1.00 61.50 G ATOM 18932 CB SER G1434 85.542 83.445 46.060 1.00 32.04 G ATOM 18933 OG SER G1434 84.715 82.550 46.233 1.00 32.04 G ATOM 18934 C SER G1434 85.928 84.237 44.638 1.00 61.50 G ATOM 18935 O SER G1434 85.243 83.284 44.290 1.00 61.50 G ATOM 18936 N TRP G1435 86.619 84.997 43.794 1.00 64.00 G ATOM 18937 CA TRP G1435 86.670 84.757 42.351 1.00 64.00 G ATOM 18938 CB TRP G1435 87.920 83.885 42.053 1.00 26.78 G ATOM 18939 CG TRP G1435 87.749 82.713 41.139 1.00 26.78 G ATOM 18940 CD2 TRP G1435 88.137 81.366 41.401 1.00 26.78 G ATOM 18941 CE2 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CE3 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CE3 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.776 80.770 39.895 1.00 26.78 G ATOM 18944 NE1 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CZ2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G											
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ATOM 18934 C SER G1434 85.928 84.237 44.638 1.00 61.50 G ATOM 18935 O SER G1434 85.243 83.284 44.290 1.00 61.50 G ATOM 18936 N TRP G1435 86.619 84.997 43.794 1.00 64.00 G ATOM 18937 CA TRP G1435 86.670 84.757 42.351 1.00 64.00 G ATOM 18938 CB TRP G1435 87.920 83.885 42.053 1.00 26.78 G ATOM 18939 CG TRP G1435 87.749 82.713 41.139 1.00 26.78 G ATOM 18940 CD2 TRP G1435 88.137 81.366 41.401 1.00 26.78 G ATOM 18941 CE2 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CE3 TRP G1435 88.762 80.733 42.474 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.176 82.710 39.895 1.00 26.78 G ATOM 18944 NE1 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CZ2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CZ2 TRP G1435 87.178 81.438 39.373 1.00 26.78 G									46.960		
ATOM 18936 N TRP G1435 86.619 84.997 43.794 1.00 64.00 G ATOM 18937 CA TRP G1435 86.670 84.757 42.351 1.00 64.00 G ATOM 18938 CB TRP G1435 87.920 83.885 42.053 1.00 26.78 G ATOM 18939 CG TRP G1435 87.749 82.713 41.139 1.00 26.78 G ATOM 18940 CD2 TRP G1435 88.137 81.366 41.401 1.00 26.78 G ATOM 18941 CE2 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CE3 TRP G1435 88.762 80.733 42.474 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.177 82.710 39.895 1.00 26.78 G ATOM 18944 NE1 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CZ2 TRP G1435 87.987 79.221 40.202 1.00 26.78 G	Α	TOM	18934	C	SER	G1434	85.928	84.237	44.638	1.00 61.50	G
ATOM 18937 CA TRP G1435 86.670 84.757 42.351 1.00 64.00 G ATOM 18938 CB TRP G1435 87.920 83.885 42.053 1.00 26.78 G ATOM 18939 CG TRP G1435 87.749 82.713 41.139 1.00 26.78 G ATOM 18940 CD2 TRP G1435 88.137 81.366 41.401 1.00 26.78 G ATOM 18941 CE2 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CE3 TRP G1435 88.762 80.733 42.474 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.177 82.710 39.895 1.00 26.78 G ATOM 18944 NE1 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CZ2 TRP G1435 87.987 79.221 40.202 1.00 26.78 G											
ATOM 18939 CG TRP G1435 87.749 82.713 41.139 1.00 26.78 G ATOM 18940 CD2 TRP G1435 88.137 81.366 41.401 1.00 26.78 G ATOM 18941 CE2 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CE3 TRP G1435 88.762 80.733 42.474 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.177 82.710 39.895 1.00 26.78 G ATOM 18944 NE1 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CZ2 TRP G1435 87.987 79.221 40.202 1.00 26.78 G	Α	TOM	18937	CA	TRP	G1435	86.670	84.757	42.351	1.00 64.00	G
ATOM 18940 CD2 TRP G1435 88.137 81.366 41.401 1.00 26.78 G ATOM 18941 CE2 TRP G1435 87.761 80.594 40.277 1.00 26.78 G ATOM 18942 CE3 TRP G1435 88.762 80.733 42.474 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.177 82.710 39.895 1.00 26.78 G ATOM 18944 NE1 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CZ2 TRP G1435 87.987 79.221 40.202 1.00 26.78 G											
ATOM 18942 CE3 TRP G1435 88.762 80.733 42.474 1.00 26.78 G ATOM 18943 CD1 TRP G1435 87.177 82.710 39.895 1.00 26.78 G ATOM 18944 NE1 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CZ2 TRP G1435 87.987 79.221 40.202 1.00 26.78 G	Α	TOM	18940	CD2	TRP	G1435	88.137	81.366	41.401	1.00 26.78	G
ATOM 18943 CD1 TRP G1435 87.177 82.710 39.895 1.00 26.78 G ATOM 18944 NE1 TRP G1435 87.178 81.438 39.373 1.00 26.78 G ATOM 18945 CZ2 TRP G1435 87.987 79.221 40.202 1.00 26.78 G											
ATOM 18945 CZ2 TRP G1435 87.987 79.221 40.202 1.00 26.78 G	A	MOT	18943	CD1	TRP	G1435	87.177	82.710	39.895	1.00 26.78	G

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        19062
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92.264
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 MOTA
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84.775
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 MOTA
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                                               84.404
83.887
 ATOM
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                                                        38.649
                                                                  1.00 52.37
 ATOM
        19067
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                                      94.072
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37.347
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        19068
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                    ALA G1452
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                                                                  1.00 98.47
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96.505
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                                                        37.539
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ATOM
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                N
                    ILE G1453
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1.00 68.55
1.00 60.83
                                      97.412
ATOM
       19074
                CA
                    ILE G1453
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                                                                                    G
       19075
ATOM
                CB
                    ILE G1453
                                      97.456
                                                        37.067
                                               86.915
ATOM
        19076
                CG2
                    ILE G1453
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                                               87.445
                                                        38.369
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ATOM
        19077
                CG1
                    ILE G1453
                                      98.288
                                               87.416
                                                        35.889
                                                                  1.00 60.83
                                                                                    G
MOTA
       19078
                CD
                    ILE G1453
                                      97.474
                                               87.776
84.839
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                                                                  1.00 60.83
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ATOM
       19079
                    ILE G1453
                                      97.930
                                                        38.407
                                                                  1.00 68.55
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ATOM
       19080
                0
                    ILE G1453
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                                                                  1.00 68.55
                                                        38.454
                                                                                    G
ATOM
       19081
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                    ALA G1454
                                      97.236
                                               85.146
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                                                                  1.00 38.49
                                                                                    G
       19082
ATOM
               CA
                    ALA G1454
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                                                        40.797
                                                                  1.00
                                                                       38.49
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ATOM
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                    ALA G1454
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97.256
                                               85.567
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                                                                  1.00 65.03
                                                                                    G
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ATOM
               С
                    ALA G1454
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                                                        41.018
                                                                  1.00
                                                                       38.49
                                                                                    G
MOTA
       19085
                    ALA G1454
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82.635
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42.122
                                                                  1.00 38.49
ATOM
ATOM
       19086
               N
                    GLY G1455
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                                                                 1.00 58.71
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       19087
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                    GLY G1455
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                                                                 1.00 58.71
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ATOM
       19088
                    GLY G1455
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ATOM
       19089
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                    GLY G1455
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                                               80.124
                                                        42.053
                                                                 1.00
                                                                       58.71
                                                                                    G
ATOM
       19090
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                    ALA G1456
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                                               82.264
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                                                                 1.00 33.60
                                                                                    G
                                     93.757
MOTA
       19091
                    ALA G1456
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                                                        42.841
                                                                 1.00 33.60
                                                                                    G
ATOM
       19092
               СВ
                    ALA G1456
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                                                        41.554
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               С
0
ATOM
       19093
                    ALA G1456
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                                                        44.054
                                               81.669
                                                                 1.00 33.60
1.00 33.60
                                                                                    G
ATOM
       19094
                    ALA G1456
                                     92.983
                                               80.453
                                                        44.036
                                                                                    G
ATOM
       19095
               N
                    ALA G1457
                                     92.927
                                               82.443
                                                        45.103
                                                                 1.00100.07
                                                                                    G
ATOM
       19096
               CA
                    ALA G1457
                                     92.394
                                              81.929
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                                                                 1.00100.07
                                                                                    G
ATOM
       19097
               CB
                    ALA G1457
                                     92.020
                                              83.099
                                                        47.273
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                                                                                    G
MOTA
       19098
                    ALA G1457
                                     91.207
                                              80.977
                                                        46.226
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ATOM
       19099
               0
                    ALA G1457
                                     90.171
                                              81.176
                                                        46.862
45.406
                                                                 1.00100.07
1.00 63.71
1.00 63.71
               N
CA
АТОМ
       19100
                    ALA G1458
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                                               79.946
                                                                                    G
ATOM
       19101
                    ALA G1458
                                     90.390
                                              78.911
                                                        45.143
                                                                                    G
               CB
ATOM
       19102
                    ALA G1458
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                                              77.625
                                                        45.831
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                                                                                    G
ATOM
       19103
               С
                    ALA G1458
                                     88.930
                                              79.201
                                                        45.495
                                                                 1.00 63.71
                                                                                    G
ATOM
       19104
               0
                    ALA G1458
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                                              78.269
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                                                                 1.00 63.71
ATOM
       19105
               N
                    ALA G1459
                                     88.547
                                              80.473
                                                        45.536
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ATOM
       19106
               CA
                    ALA G1459
                                     87.183
                                                       45.908
44.871
                                              80.833
                                                                 1.00100.06
       19107
ATOM
               CB
                    ALA G1459
                                     86.186
                                              80.331
                                                                 1.00 88.02
                                                                                    G
ATOM
       19108
               C
                    ALA G1459
                                     86.914
                                              80.171
                                                        47.247
                                                                 1.00100.06
                                                                                    G
               ŏ
ATOM
       19109
                                     85.842
87.907
                    ALA G1459
                                              80.340
                                                        47.831
                                                                 1.00100.06
                                                                                    G
ATOM
       19110
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                                                        47.714
                                                                 1.00 36.14
ATOM
       19111
               CA
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88.012
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ATOM
       19112
                    ALA G1460
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ATOM
       19113
               С
                    ALA G1460
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                                              77.974
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                                                                 1.00 36.14
ATOM
       19114
               O
                    ALA G1460
                                     86.173
                                              77.381
                                                        50.087
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MOTA 19115 ALA G1461 85.768 78.036 47.949 1.00 36.70 1.00 36.70 MOTA 19116 19117 CA ALA G1461 ALA G1461 84.437 84.492 77.480 76.018 47.876 СB ATOM 47.512 1.00 5.07 G MOTA 19118 ALA G1461 83.897 C 77.683 49.282 1.00 36.70 G ATOM 19119 ALA G1461 83.163 76.853 49.810 1.00 36.70 ATOM 19120 N ALA G1462 84.295 78.805 49.881 1.00 56.37 ATOM 19121 CA ALA G1462 83.898 79.158 51.232 1.00 56.37 19122 19123 ALA G1462 ALA G1462 84.701 82.417 80.357 79.475 ATOM CB 51.716 1.00 77.87 ATOM C 51.273 1.00 56.37 ATOM 19124 ALA G1462 81.581 78.590 51.416 1.00 56.37 G ATOM 19125 ALA G1463 82.083 80.745 1.00 62.00 51.148 19126 ALA G1463 80.688 51.170 ATOM 81.114 1.00 62.00 ATOM 19127 CB ALA G1463 80.483 82.267 52.104 1.00100.07 19128 ATOM ALA G1463 80.222 81.474 49.768 1.00 62.00 19129 ATOM ALA G1463 79.056 81,234 49.435 1.00 62.00 G ATOM 19130 N ALA G1464 81.143 82.018 48.954 1.00 54.01 ATOM 19131 ALA G1464 80.875 82.449 47.564 1.00 54.01 G ATOM 19132 CB ALA G1464 82.170 82.688 46.839 1.00 35.57 ATOM 19133 19134 C ALA G1464 79.992 81.514 46.732 1.00 54.01 ALA G1464 80.483 45.988 ATOM 80.658 1.00 54.01 G MOTA 19135 ALA G1465 78.682 81.721 1.00 55.92 N 46.875 ATOM 19136 CA ALA G1465 77.657 80.959 46,197 1.00 55.92 G MOTA 19137 CB ALA G1465 76.993 81.823 45.142 1.00 5.07 ATOM 19138 ALA G1465 78.212 79.690 45.579 1.00 55.92 ATOM 19139 0 ALA G1465 78.513 79.643 44.388 1.00 55.92 19140 ALA G1466 ALA G1466 78.669 77.370 MOTA N 78.372 46.415 1.00 48.53 ATOM 19141 CA 78.849 45.961 47.132 1.00 48.53 G 19142 1.00 17.91 ATOM СВ ALA G1466 78.959 76.398 G 19143 ATOM ALA G1466 77.763 76.916 45.008 1.00 48.53 G 75.884 77.701 77.437 MOTA 19144 ALA G1466 77.871 44.357 1.00 48.53 ATOM 19145 ALA G1467 76.691 44.969 1.00 49.21 19146 ATOM CA ALA G1467 75.576 44.082 1.00 49.21 G 74.387 MOTA 19147 CB ALA G1467 78.403 77.697 44.388 42.696 1.00 5.07 19148 ALA G1467 76.154 ATOM С 1.00 49.21 G ATOM 19149 0 ALA G1467 75.820 77.011 41.733 1.00 49.21 G 77.047 77.659 MOTA 19150 N ALA G1468 78.678 42.609 1.00 39.31 ATOM 19151 CA ALA G1468 79.000 41.333 1.00 39.31 19152 ALA G1468 78.860 ATOM CB 79.932 41.523 40.736 1.00 5.07 G ALA G1468 77.672 ATOM 19153 C 78.098 1.00 39.31 G 19154 ALA G1468 77.861 77.400 39.559 ATOM 1.00 39.31 G MOTA 19155 ALA G1469 78.710 76.832 41.567 1.00 33.40 ATOM 19156 CA ALA G1469 79.182 75.519 41.129 1.00 33.40 G 80.513 78.102 19157 ALA G1469 75.159 MOTA CB 41.855 1.00 5.07 19158 ATOM C ALA G1469 74.482 41.429 40.958 1.00 33.40 G 78.143 73.350 MOTA 19159 ALA G1469 1.00 33.40 ATOM 19160 N ALA G1470 77.128 74.895 42.224 1.00 22.80 ATOM 19161 CA ALA G1470 76.030 74.030 42.610 1.00 22.80 G 75.425 76.426 ALA G1470 19162 73.382 72.962 41.369 43.631 1.00 ATOM CB 27.52 19163 ALA G1470 22.80 ATOM G ATOM 19164 0 ALA G1470 76.241 71.773 43.397 1.00 22.80 G 76.969 77.356 78.750 ATOM 19165 ALA G1471 73.383 44.764 50.20 Ν 1.00 72.430 72.764 72.508 45.796 46.318 ATOM 19166 CA ALA G1471 1.00 50.20 G ALA G1471 MOTA 19167 CB 1.00 14.43 G 76.313 ATOM 19168 С ALA G1471 46.918 50.20 1.00 G 75.236 46.705 50.20 ATOM 19169 ALA G1471 73.069 1.00 G MOTA 19170 N ALA G1472 76.609 71.935 48.089 1.00 57.44 19171 19172 ATOM CA ALA G1472 75.677 71.972 49.224 1.00 57.44 G ALA G1472 75.747 5.07 57.44 ATOM CB 70.655 50.043 1.00 G 19173 76.024 77.106 73.170 73.231 ALA G1472 ATOM C 50.110 1.00 G 19174 ALA G1472 1.00 57.44 ATOM 50.689 G MOTA 19175 ALA G1473 75.094 74.118 50.203 69.19 1.00 75.257 73.945 75.347 76.131 ATOM 19176 CA ALA G1473 50.985 1.00 69.19 19177 CB C ALA G1473 50.946 MOTA 1.00 5.07 G ATOM 19178 ALA G1473 75.726 75.158 52.443 69.19 1.00 G ATOM 19179 ALA G1473 76.029 74.042 52.868 1.00 69.19 MOTA 19180 ALA G1474 75.787 76.260 53.197 1.00 43.69 76.214 76.250 77.664 ATOM 19181 CA ALA G1474 54.604 1.00 43.69 G ATOM ALA G1474 76.291 19182 CB 55.144 1.00 6.14 G 75.376 75.403 55.566 1.00 ATOM 19183 ALA G1474 43.69 G 75.801 ATOM 19184 ALA G1474 74.280 55.998 1.00 43.69 75.949 75.429 ATOM 19185 M ALA G1475 74.243 55.896 1.00 99.97 ATOM 19186 CA ALA G1475 73.222 56.817 1.00 99.97 G 74.459 76.734 ATOM 19187 CB ALA G1475 72.253 56.074 1.00 14.46 72.496 19188 ALA G1475 57.176 99.97 ATOM 1.00 77.151 ATOM 19189 ALA G1475 71.618 56.432 1.00 99.97 G MOTA 19190 ALA G1476 77.387 72.845 58.289 1.00 23.44 ATOM 19191 CA ALA G1476 78.680 72.205 58.602 1.00 23.44 ALA G1476 ATOM 19192 CB 79.812 73.117 71.665 58.124 1.00100.07 19193 ALA G1476 79.039 ATOM C 60,006 1.00 23.44 G 19194 ALA G1476 79.881 MOTA 0 70.760 60.123 1.00 23.44 G ALA G1477 ATOM 19195 78.477 72.217 61.076 1.00 57.41 G 78.820 71.648 ATOM 19196 ALA G1477 62.372 1.00 57.41 ATOM 19197 CB ALA G1477 78.141 72,403 63.520 1.00 ATOM 19198 C ALA G1477 78.257 70.244 62.253 1.00 57.41

MOTA	19199	0	ALA G1477	78.959	69.259	62.467	1.00 57.41	G
MOTA	19200	N	ALA G1478	76.991	70.173	61.853	1.00 34.33	G
MOTA	19201	CA	ALA G1478	76.284	68.910	61.684	1.00 34.33	G
ATOM	19202	CB	ALA G1478	74.827	69.193	61.363	1.00 11.12	G
ATOM	19203	C	ALA G1478	76.906	68.019	60.602	1.00 34.33	G
ATOM	19204	ō	ALA G1478	76.888	68.345	59.414	1.00 34.33	G
ATOM	19205	N	ALA G1479	77.453	66.884	61.023	1.00 67.27	Ğ
ATOM	19206	CA	ALA G1479	78.089	65.960	60.088	1.00 67.27	Ğ
			ALA G1479	79.569	66.308	59.935	1.00100.07	G
ATOM	19207	CB			64.498		1.00100.07	G
MOTA	19208	C	ALA G1479	77.939		60.510		
ATOM	19209	0	ALA G1479	78.704	63.978	61.328	1.00 67.27	G
ATOM	19210	N	ALA G1480	76.940	63.849	59.926	1.00 78.48	G
MOTA	19211	CA	ALA G1480	76.628	62.451	60.186	1.00 78.48	G
ATOM	19212	CB	ALA G1480	77.094	61.594	59.006	1.00 72.49	G
ATOM	19213	С	ALA G1480	77.147	61.859	61.502	1.00 78.48	G
MOTA	19214	0	ALA G1480	77.068	62.486	62.567	1.00 78.48	G
MOTA	19215	N	ALA G1481	77.675	60.639	61.401	1.00 99.54	G
MOTA	19216	CA	ALA G1481	78.175	59.891	62.548	1.00 99.54	G
ATOM	19217	CB	ALA G1481	79.232	60.691	63.284	1.00100.07	G
ATOM	19218	C	ALA G1481	76.946	59.658	63.423	1.00 99.54	G
ATOM	19219	0	ALA G1481	77.030	59.519	64.637	1.00 99.54	G
ATOM	19220	N	ALA G1482	75.805	59.609	62.746	1.00 33.83	G
MOTA	19221	CA	ALA G1482	74.488	59.414	63.327	1.00 33.83	Ğ
MOTA	19222	CB	ALA G1482	73.551	58.812	62.304	1.00100.07	Ğ
MOTA	19223	č	ALA G1482	74.484	58.558	64.541	1.00 33.83	Ğ
ATOM	19224	ŏ	ALA G1482	74.412	59.070	65.659	1.00 33.83	Ğ
ATOM	19225	N	ALA G1483	74.540	57.245	64.327	1.00 86.95	Ğ
ATOM	19226	CA	ALA G1483	74.527	56.313	65.446	1.00 86.95	Ğ
ATOM	19227	CB	ALA G1483	73.295	56.560	66.288	1.00 85.90	G
	19228		ALA G1483	74.582	54.840	65.075	1.00 86.95	G
ATOM		C		75.328	54.411	64.192	1.00 86.95	G
ATOM	19229	0	ALA G1483	73.761				
MOTA	19230	N	ALA G1484		54.082	65.791		G
ATOM	19231	CA	ALA G1484	73.644	52.652	65.624	1.00 81.05	G
ATOM	19232	CB	ALA G1484	74.998	52.004	65.826	1.00 72.34	G
ATOM	19233	C	ALA G1484	72.680	52.195	66.705	1.00 81.05	G
ATOM	19234	0	ALA G1484	72.668	52.769	67.790	1.00 81.05	G
ATOM	19235	N	ALA G1485	71.858	51.188	66.417	1.00 88.89	G
ATOM	19236	CA	ALA G1485	70.935	50.680	67.430	1.00 88.89	G
MOTA	19237	CB	ALA G1485	70.103	49.518	66.871	1.00 26.45	G
MOTA	19238	С	ALA G1485	71.826	50.196	68.569	1.00 88.89	G
ATOM	19239	0	ALA G1485	73.020	49.993	68.371	1.00 88.89	G
MOTA	19240	N	ALA G1486	71.267	50.017	69.758	1.00 95.48	G
ATOM	19241	CA	ALA G1486	72.075	49.561	70.885	1.00 95.48	G
ATOM	19242	CB	ALA G1486	71.175	49.207	72.061	1.00100.07	G
MOTA	19243	С	ALA G1486	72.937	48.355	70.497	1.00 95.48	G
MOTA	19244	0	ALA G1486	73.989	48.107	71.099	1.00 95.48	G
ATOM	19245	N	ALA G1487	72.482	47.617	69.484	1.00100.07	G
ATOM	19246	CA	ALA G1487	73.187	46.435	68.988	1.00100.07	G
ATOM	19247	CB	ALA G1487	72.193	45.452	68.372	1.00100.07	G
ATOM	19248	C	ALA G1487	74.244	46.825	67.957	1.00100.07	G
ATOM	19249	ō	ALA G1487	75.422	46.495	68.111	1.00100.07	G
ATOM	19250	N	ALA G1488	73.818	47.509	66.897	1.00 59.31	Ğ
MOTA	19251	CA	ALA G1488	74.750	47.955	65.869	1.00 59.31	Ğ
MOTA	19252	CB	ALA G1488	74.006	48.742	64.770	1.00 34.78	Ğ
ATOM	19253	c	ALA G1488	75.765	48.844	66.594	1.00 59.31	G
ATOM	19254	ŏ	ALA G1488	76.906	49.005	66.158	1.00 59.31	Ğ
ATOM	19255	N	ALA G1489	75.338	49.405	67.722	1.00100.07	Ğ
ATOM	19256	CA	ALA G1489	76.201	50.256	68.532	1.00100.07	Ğ
ATOM	19257	CB	ALA G1489	75.360	51.105	69,489	1.00 97.34	Ğ
MOTA	19258	c	ALA G1489	77.161	49.362	69.320	1.00100.07	. G
ATOM	19259	ŏ	ALA G1489	78.147	49.838	69.902	1.00100.07	Ğ
ATOM	19260	N	ALA G1490	76.863	48.063	69.325	1.00100.07	G
ATOM	19261	CA	ALA G1490	77.676	47.075	70.026	1.00100.07	Ğ
ATOM	19262	CB	ALA G1490	76.770	46.071	70.741	1.00 82.08	Ğ
ATOM	19263	c	ALA G1490	78.635	46.341	69.080	1.00100.07	Ğ
			ALA G1490	79.021	45.198	69.340	1.00100.07	G
ATOM	19264	0	ALA G1491	79.021	46.997	67.984	1.00100.07	G
MOTA	19265	N	ALA G1491 ALA G1491	79.012	46.408	67.018	1.00 98.76	G
ATOM	19266	CA		79.519				
ATOM	19267	CB	ALA G1491		46.760	65.593	1.00 65.95	G
ATOM	19268	C	ALA G1491 ALA G1491	81.340	46.928	67.290	1.00 98.76	G
MOTA	19269	O		82.324	46.330	66.856	1.00 98.76	G
ATOM	19270	N	ALA G1492	81.422	48.043	68.013	1.00100.07	G
MOTA	19271	CA	ALA G1492	82.703	48.659	68.357	1.00100.07	G
MOTA	19272	CB	ALA G1492	82.473	49.969	69.133	1.00 15.18	G
MOTA	19273	C	ALA G1492	83.563	47.708	69.184	1.00100.07	G
ATOM	19274	0	ALA G1492	84.652	48.081	69.625	1.00100.07	G
ATOM	19275	N	ALA G1493	83.063	46.486	69.390	1.00100.07	G
ATOM	19276	CA	ALA G1493	83.756	45.448	70.164	1.00100.07	G
ATOM	19277	CB	ALA G1493	83.460	45.612	71.671	1.00 68.43	G
ATOM	19278	C	ALA G1493	83.351	44.041	69.699	1.00100.07	G
MOTA	19279	0	ALA G1493	82.824	43.917	68.568	1.00100.07	G
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       19599
                0
                    ALA H
                                      62.929
                                                         65.136
63.818
                                                                   1.00
                                                                         32.32
ATOM
       19600
                N
                    ALA H
                             61
                                      62.020
                                                60.197
                                                                         74.09
74.09
                                                                   1.00
                                      61.658
60.778
ATOM
       19601
                CA
                    ALA H
                             61
                                                61.054
                                                          64.942
                                                                                       Н
ATOM
       19602
                CB
                    ALA H
                             61
                                                62.216
                                                          64.445
                                                                   1.00
                                                                         65.70
                                                                                       H
ATOM
       19603
                C
                    ALA H
                             61
                                      60.958
                                                60.288
                                                          66.077
                                                                   1.00
                                                                         74.09
                                                                                       Η
ATOM
       19604
                    ALA H
                             61
                0
                                      61.105
60.214
                                                60.630
                                                          67.252
                                                                   1.00
                                                                         74.09
                                                                                       H
ATOM
       19605
                    ALA H
                             62
                                                59.242
58.451
                                                          65.726
                                                                   1.00 66.99
ATOM
       19606
                    ALA H
                             62
                                      59.494
                CA
                                                         66.722
                                                                   1.00
                                                                         66.99
                                                57.697
57.475
MOTA
       19607
                CB
                    ALA H
                             62
                                      58.345
                                                         66.066
                                                                   1.00
                                                                         58.00
ATOM
       19608
                C
                    ALA H
                             62
                                      60.404
                                                          67.451
                                                                         66.99
                                                                                      H
ATOM
       19609
                O
                            62
                                                56.919
                    ALA H
                                      60.036
                                                          68.488
                                                                   1.00 66.99
                                                                                      H
ATOM
       19610
                    ALA H
                            63
               N
                                      61.588
                                                57.250
                                                          66.899
                                                                   1.00 48.98
                                                                                      Н
ATOM
       19611
                    ALA H
               CA
                            63
                                      62.537
63.274
63.517
                                                56.354
                                                         67.535
                                                                   1.00 48.98
       19612
ATOM
               CB
                    ALA H
                             63
                                                55.506
57.229
                                                         66.480
                                                                   1.00 41.12
ATOM
       19613
                    ALA H
                             63
                                                         68.315
                                                                   1.00 48.98
MOTA
       19614
                    ALA H
                             63
                                      63.776
                                                56,973
                                                         69,492
                                                                   1.00 48.98
ATOM
       19615
                    ALA H
                             б4
                                      64.026
                                                         67.659
                                                58.275
                                                                   1.00 50.52
                                                                                      Н
ATOM
       19616
               CA
                    ALA H
                            64
                                      64.989
                                                59.203
                                                         68.263
                                                                   1.00 50.52
                                                                                      Н
       19617
ATOM
               CB
                    ALA H
                            64
                                      65.249
                                                60.387
                                                         67.317
                                                                   1.00
                                                                         59.99
                                                                                      H
ATOM
       19618
               С
                    ALA H
                            64
                                      64.485
                                                59.703
                                                         69.610
                                                                   1.00
                                                                         50.52
                                                                                      н
```

ATOM ATOM	19619 19620	O N	ALA H ALA H	64 65	64.292 64.295		70.533	1.00 50.52	Н
ATOM	19621	CA	ALA H	65	63.781		69.733 70.977	1.00 83.44 1.00 83.44	H H
ATOM ATOM	19622 19623	CB C	ALA H	65 65	63.433		70.803	1.00100.07	н
ATOM	19624	0	ALA H ALA H	65 65	62.533 61.431		71.228 70.774	1.00 83.44 1.00 83.44	H H
ATOM	19625	N	ALA H	66	62.751	59.651	71.935	1.00 86.00	н
ATOM ATOM	19626 19627	CA CB	ALA H ALA H	66 66	61.715 60.901		72.253	1.00 86.00	н
ATOM	19628	C	ALA H	66	62.445		71.005 72.734	1.00100.07 1.00 86.00	H H
MOTA	19629	0	ALA H	66	62.942	57.403	73.866	1.00 86.00	Н
ATOM ATOM	19630 19631	N CA	ALA H ALA H	67 67	62.520 63.205	56.438 55.201	71.865	1.00 82.79	Н
ATOM	19632	CB	ALA H	67	63.423	54.379	72.202	1.00 82.79 1.00 39.56	H H
ATOM	19633	C	ALA H	67	64.540	55.552	72.857	1.00 82.79	H
ATOM ATOM	19634 19635	o N	ALA H ALA H	67 68	65.126 65.006	54.742 56.771	73.569 72.600	1.00 82.79 1.00 64.69	H H
ATOM	19636	CA	ALA H	68	66.236	57.296	73.183	1.00 64.69	н
ATOM ATOM	19637 19638	CB C	ALA H ALA H	68 68	66.078 67.518	57.392	74.701	1.00 5.07	H
ATOM	19639	õ	ALA H	68	68.553	56.544 56.726	72.838 73.491	1.00 64.69 1.00 64.69	H H
ATOM	19640	N	ALA H	69	67.459	55.703	71.816	1.00 71.17	H
ATOM ATOM	19641 19642	CA CB	ALA H ALA H	69 69	68.642 68.243	54.960 53.644	71.415 70.763	1.00 71.17 1.00 73.03	H
ATOM	19643	c	ALA H	69	69.430	55.821	70.763	1.00 73.03 1.00 71.17	H H
ATOM	19644	0	ALA H	69	69.299	57.047	70.439	1.00 71.17	H
ATOM ATOM	19645 19646	N CA	ALA H ALA H	70 70	70.240 71.061	55.173 55.867	69.609 68.625	1.00 59.62 1.00 59.62	Н
ATOM	19647	CB	ALA H	70	70.199	56.829	67.821	1.00 60.85	H H
MOTA	19648	C	ALA H	70	72.193	56.611	69.332	1.00 59.62	Н
MOTA MOTA	19649 19650	O N	ALA H	70 71	72.417 72.899	56.414 57.468	70.525 68.606	1.00 59.62 1.00 65.27	H H
ATOM	19651	CA	ALA H	71	74.010	58.207	69.185	1.00 65.27	н
ATOM ATOM	19652 19653	CB C	ALA H ALA H	71 71	75.305 74.125	57.465 59.628	68.937 68.657	1.00100.07	H
ATOM	19654	ō	ALA H	71	73.112	60.281	68.398	1.00 65.27 1.00 65.27	H H
MOTA	19655	N	ALA H	72	75.365	60.098	68.493	1.00 55,71	H
ATOM ATOM	19656 19657	CA CB	ALA H	72 72	75.622 76.227	61.460 62.296	68.022 69.154	1.00 55.71 1.00 73.67	H H
MOTA	19658	С	ALA H	72	76.492	61.582	66.778	1.00 55.71	H
ATOM ATOM	19659 19660	O N	ALA H ALA H	72 73	76.034	61.327	65.658	1.00 55.71	Н
ATOM	19661	CA	ALA H	73	77.739 78.672	62.008 62.189	66.975 65.864	1.00 40.72 1.00 40.72	H H
ATOM	19662	CB	ALA H	73	78.452	63.541	65.212	1.00 79.62	H
ATOM ATOM	19663 19664	C	ALA H ALA H	73 73	80.116 80.528	62.065 62.754	66.324 67.256	1.00 40.72 1.00 40.72	H H
ATOM	19665	N	ALA H	74	80.868	61.198	65.639	1.00 95.89	Н
ATOM ATOM	19666 19667	CA CB	ALA H ALA H	74 74	82.272 82.966	60.867	65.924	1.00 95.89	H
ATOM	19668	C	ALA H	74	82.245	61.962 59.564	66.744 66.719	1.00 15.50 1.00 95.89	H H
ATOM	19669	0	ALA H	74	83.108	59.311	67.558	1.00 95.89	H
ATOM ATOM	19670 19671	N CA	ALA H ALA H	75 75	81.226 81.038	58.751 57.466	66.446 67.111	1.00100.07	H H
ATOM	19672	CB	ALA H	75	79.548	57.116	67.165	1.00 44.27	н
ATOM ATOM	19673 19674	С 0	ALA H ALA H	75 75	81.807 82,995	56.382 56.186	66.365 66.613	1.00100.07	H
ATOM	19675	N	ALA H	76	81.128	55.685	65.453	1.00100.07 1.00 41.38	H H
ATOM	19676	CA	ALA H	76	81.744	54.626	64.657	1.00 41.38	Н
ATOM ATOM	19677 19678	CB C	ALA H ALA H	76 76	80.833 83.119	54.277 55.050	63.498 64.127	1.00 45.25 1.00 41.38	H
MOTA	19679	0	ALA H	76	83.894	54.221	63.631	1.00 41.38	- H
ATOM ATOM	19680 19681	N CA	ALA H ALA H	77 77	83.399 84.654	56.350 56.951	64.237 63.790	1.00 99.89 1.00 99.89	H
ATOM	19682	CB	ALA H	77	85.851	56.182	64.363	1.00 99.89 1.00 75.98	H H
MOTA	19683	C	ALA H	77	84.698	56.947	62.268	1.00 99.89	Н
ATOM ATOM	19684 19685	O N	ALA H ALA H	77 78	84.543 84.908	57.988 55.765	61.622 61.703	1.00 99.89 1.00 99.61	H H
ATOM	19686	CA	ALA H	78	84.956	55.616	60.260	1.00 99.61	H
ATOM ATOM	19687 19688	CB C	ALA H ALA H	78 78	86.239 83.735	54.888 54.831	59.836 59.809	1.00 60.65 1.00 99.61	H
ATOM	19689	ŏ	ALA H	78	83.415	53.774	60.368	1.00 99.61	H H
ATOM	19690	N	ALA H	79	83.040	55.369	58.811	1.00 78.33	H
ATOM ATOM	19691 19692	CA CB	ALA H ALA H	79 79	81.877 81.225	54.695 55.554	58.264 57.189	1.00 78.33 1.00 66.29	H H
MOTA	19693	С	ALA H	79	82.466	53.427	57.665	1.00 78.33	H
ATOM ATOM	19694 19695	O N	ALA H ALA H	79 80	81.750 83.795	52.492 53.427	57.294 57.577	1.00 78.33 1.00 92.64	H
ATOM	19696	CA	ALA H	80	84.566	52.306	57.065	1.00 92.64	H H
ATOM	19697	СВ	ALA H	80	86.038	52.504	57.404	1.00 47.94	H
ATOM ATOM	19698 19699	C O	ALA H ALA H	80 80	84.022 83.921	51.080 49.995	57.775 57.205	1.00 92.64 1.00 92.64	H H
ATOM	19700	N	ALA H	81	83.663	51.283	59.035	1.00 78.72	H
ATOM ATOM	19701 19702	CA CB	ALA H ALA H	81 81	83.107 83.515	50.229 50.441	59.862 61.303	1.00 78.72 1.00100.07	H
					00.013	20.441	01.000	1.00100.07	Н

ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	19703 19704 19705 19706 19707 19708 19709 19710 19711 19713 19714 19715 19716 19717 19718 19720 19721 19722 19723 19724 19725 19726 19727 19728 19730 19731 19731 19731 19731 19732 19734 19735 19736 19737 19738 19736 19737 19738 19736 19737 19738 19736 19741 19742 19742 19743 19744 19745 19746 19746 19746 19748 19748 19748 19748 19748 19748 19748 19748 19748 19748 19748 19748 19749 19748 19748 19748 19748 19749 19749	C O N A C C C O N C C C C	ALA	нниннинниннинниннинниннинниннинниннинни	81 82 82 82 83 83 83 83 84 84 84 85 85 85 86 86 86 86 87 87 87 87 88 88 88 89 99 99 99 99 99 99 99 99 99	81.590 80.924 81.046 79.603 79.244 79.056 78.000 79.767 79.297 80.126 79.761 79.668 79.761 79.668 79.761 79.666 75.505 74.314 75.429 76.161 75.429 76.161 75.429 76.161 75.429 76.373 77.055 74.314 75.429 76.161 75.436 75.612 75.673 77.055 74.514 75.436 75.612 75.673 77.055 74.592 73.701 74.678 73.701 74.678 73.701 74.679 73.701 74.679 70.434 69.360 70.153 70.494 70.153 70.904 72.040	49.253 51.399 51.399 51.533 52.909 50.433 49.872 50.108 49.050 47.669 46.637 47.663 46.431 46.763 46.451 46.764 45.146 45.146 45.146 45.146 45.145 46.244 47.972 45.590 45.769 42.328 40.638 40.638 40.638 40.638 40.638 40.850 41.911 41.031 41.151 41.396 42.328 40.638 40.638 40.638 40.638 40.638 40.638 40.638 40.638 40.850 42.276 42.328 40.638	59.743 60.012 59.347 59.198 58.635 58.295 58.295 56.323 55.038 56.359 58.291 59.554 58.910 57.905 59.917 59.1260 58.770 55.752 56.1752 56.1752 56.752	1.00 78.72 1.00 78.72 1.00 99.31 1.00 99.31 1.00 99.31 1.00 99.31 1.00 99.31 1.00 99.31 1.00 83.69 1.00 83.69 1.00 83.69 1.00 83.69 1.00 95.62 1.00 100.07 1.00 100.07 1.00 100.07 1.00 100.07 1.00 100.07 1.00 100.07 1.00 100.07 1.00 100.07 1.00 100.07 1.00 100.07 1.00 84.93	ннининининининининининининининининининин
MOTA	19747	CB	ALA	Н	90	70.386	45.510	57.406		
ATOM	19751	CA	ALA		91				1.00100.07	
ATOM	19752	CB	ALA		91	72.501		52.596	1.00100.07	Н
MOTA	19753	С	ALA	H	91	70.439		51.346	1.00100.07	H
ATOM	19754	0	ALA		91	70.869		51.205	1.00100.07	Н
ATOM	19755	OT	ALA		91	69.584		50.592	1.00100.07 1.00 58.09	H I
ATOM	19756	MG+2	MG	I J	1 1	45.365 80.834		44.194 68.754	1.00 58.09	J
ATOM END	19757	ZN+2	ZN	U	1	00.039	. 00.597	30.134	1.00 50.05	Ü
TIND										